# THE CATALOG™

*Heard about Desktop Video?*
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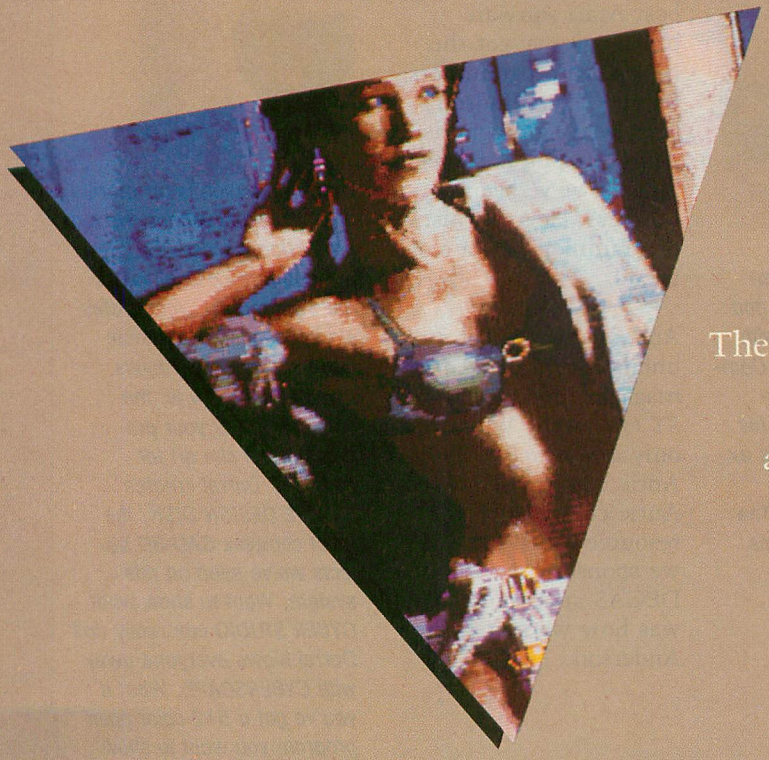
The Catalog has it.

*Shopping for the best buy?*
The Catalog has that too.



The most advanced software
for the lowest price.
It's all in The Catalog,
and it's only a page away.

Antic

# *Who are you Antic?*

We're a resource. The Atari Resource: three magazines, on-line services, and a catalog of software. But not just a catalog—The Catalog. And you're holding it in your hands. ***Instant Gratification!***

The fastest way to get Antic Software is at your local Atari dealer. But if you can't find it there, by all means, let them know what they're missing. Then rush on home and give us a call. One free phone call, and before you know it your new Antic program is in your mailbox. Open the box, pop it in your machine, and go to town.

We've worked overtime to make Antic software the best you can buy for your Atari. Why? Because we live and breathe the Atari line of computers. We were there at the beginning, are there now, and will always be there—supporting the Atari user. We design our software *exclusively* for the Atari machines and know Atari hardware inside and out.

***Gary Yost and Jack Powell (the product development team) are 'brainstorming' specs for a new CYBER add-on. Gary and Jack have been Atari users since 1981, and have been with Antic since 1983. Gary may be found, almost nightly, on CompuServe's SIG*Atari, talking with Atari users and programmers, fielding questions, and uploading demos—keeping his finger on the pulse of the Atari community. Jack bases his experience on years with the Antic Editorial department. Instrumental in the development of* ST Resource *and* STart, The ST Quarterly, *Jack has kept in touch with readers' problems and needs—particularly in the area of written technical information.***

Because we've been here the longest, we know the most people—and they know us. We've got the best Atari software because we've got the best Atari programmers. Simple. Tom Hudson's been writing programs for Atari computers for as long as we've been in business. He's not just a programmer, he's a close friend.

And, yes, we've got an unfair advantage: *Antic* magazine and *STart*, *The ST Quarterly*. We're not only a resource to the Antic community. The Antic community is a resource to us! In 1985 we sponsored a $2,000 DEGAS art contest. This was how we met Darrel Anderson.

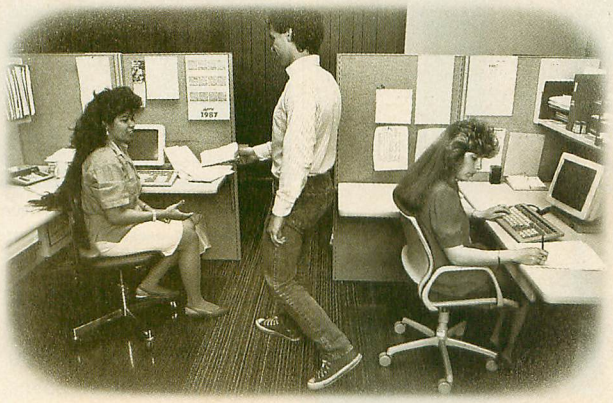
***Darrel Anderson is far more than a contest winner. He's a professional artist who knows the graphics possibilities of the ST computer. And professional means he's flexible and he's fast with results. And the faster he is, the sooner you get your program. Want clip art for CAD-3D? Darrel creates FUTURE DESIGN DISK, the most complex CAD-3D objects we've seen on this system. Want to show what CYBER STUDIO can really do? Darrel blows everyone away with CYBERSCAPE. What if you've got a 512-color paint program you want to show off? Just turn the page and check out the SPECTRUM 512 art.***

And, when the beta testing is finally complete, the documentation typeset, and the package design finished, it's time to get the final product to *you*.

Have you noticed our new 800 number? That's right, we've moved our 800 operators in house.

Now, you when you call and ask for a "Bifurcated Cyber Diphlex," your operator will know what you're talking about, because an Antic staff member is not just an answering service. (And remember, our toll-free number is for orders only.)

***Once your software is shipped, our job has just begun. Antic has the best follow-up and customer support of anyone in the Atari software business. Our customer service people are ready for your calls. Our technical resources are second-to-none. (If Scot Tumlin can't answer your technical question, he can always turn to the Editorial programmers: Patrick Bass, Charlie Jackson, or Frank Hayes.)***



***Once your order is taken, it's processed as quickly as possible. Fidez Bituin handles the paperwork because she is accurate. She also has a background in accounting, so she knows what's being entered in that computer. When Fidez processes your order, you get the right program—and you get it now!***

And Antic's customer service is not limited to telephone support or correspondence.

We're the most active Atari company on CompuServe, and have our own online service, ANTIC ONLINE (type GO ANTIC).

Through CompuServe, you can address anyone in Antic plus many of the actual authors of Antic Software (including Tom Hudson and Alan Page).

One of our customers recently had a problem with one of our products (okay, okay, we're not perfect), and left us a message on CompuServe. We contacted the author, who solved the problem and mailed a fix to the owner within a week. That's not only goodwill, it's good business.

Antic software support includes product support. When you buy an Antic product, you join a big family. Your program is not an orphan. It has a whole group of friends in The Catalog—compatible products that expand and enhance its power. And you can be sure that more are on the way.

***We used to have an outside company package and ship our products. We'll never do that again! They couldn't handle it, and they really didn't care. We can and we do. All our packaging and shipping is now done in-house, supervised by Frank Ciminesi. Frank's got a thing about secure packaging, and he's got a thing about quick turnover. He can't stand having orders cluttering up his mailroom. Frank will have your shipment snugly packed, in the truck, and on its way.***

Antic proudly supports adult vocational programs.

arc
A United Way Member Agency

***Who needs an AMIGA?***

# SPECTRUM 512™

**The Omni-color Paint Program**

*by Trio Engineering*

**"Ellen" by Darrel Anderson**

SPECTRUM 512 is the paint program you've wanted since you bought your ST. It gives you 512 colors to be creative with. *All at the same time.*

When we first saw this program, we couldn't believe our eyes. But there it was — a rock-solid, low-resolution screen displaying rich colors composed of a chock-full palette of 512 colors. No flicker, no faking, no fooling. We couldn't stop playing with it.

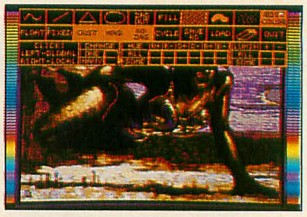
512 colors means a lot more than just bright rainbows. Perceived resolution is increased *threefold.* Anti-aliasing replaces staircase zags — even in your old pictures. And the anti-aliased line mode creates an automatic, no-zag, french curve — smooth as a baby's bottom. Subtle shading and highlighting effects become possible for the first time, automatically.

**48 Colors per Scan Line**

The standard way to put more than 16 colors on the Atari ST screen is through "raster interrupts" — color registers are changed with each scan line. But this gives you only 16 colors each scan line, and this limited color arrangement causes "banding," where horizontal bands of similar colors streak across your picture. Pretty restrictive.

SPECTRUM 512 gives you *48 colors per scan line!* And you don't have to stop to think about it because SPECTRUM 512 does it for you. Just pick any one of 512 colors and draw. If your chosen color exceeds the 48-color limit on any scan line, SPECTRUM 512 automatically adjusts the entire scan line of colors for a "best fit" — on the fly! The end result is, for all intents and purposes, you can place 512 colors anywhere on the screen!

How did they do it? The SPECTRUM 512 engineers hooked an oscilloscope to the Atari ST MMU chip and reverse-engineered its timers. Using this information, they designed a brilliant method to manipulate those timers and stuff more colors into extra simulated bit planes, before the signal even gets to the video shifter chip!



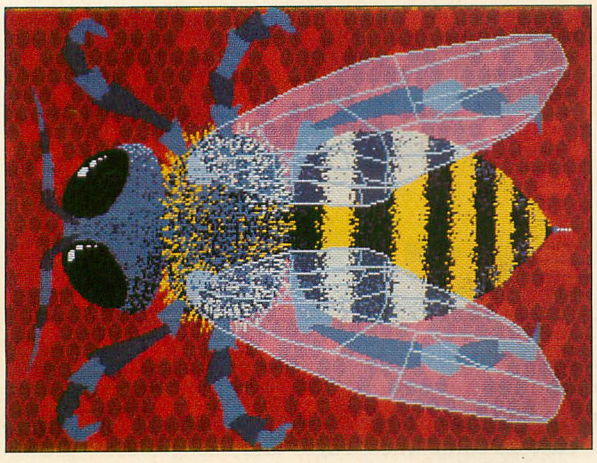
**The SPECTRUM 512 work screen, including the user-defined palette**

We sent SPECTRUM 512 to professional artist Darrel Anderson. As you can see from these pages, he went wild. Imagine what SPECTRUM 512 can add to *your* CAD-3D, DEGAS or NeoChrome pictures! No question, if you use a color monitor and have any interest in graphics, you will love SPECTRUM 512.

**Look at all these tools!**

Drawing:

- Freehand "pen" drawing
- "Rubber line" and "French curve" mode (no jaggies)
- Polygon (no jaggies)
- Circle/ellipse (no jaggies)
- Fill—patterned or solid
- Fill New—fill over any existing patterns or colors!
- Patterns—20 predefined, 20 user-defined
- Brush
  - 38 brush shapes, solid or patterned
  - User definable brushes
  - Auto-align patterns, or pixel offset for overlap



The DEGAS Bumblebee, before

and after SPECTRUM 512

*Works with all ST paint programs, plus CAD-3D 1.0 (ST0214) and CYBER STUDIO (ST0236).*

New!

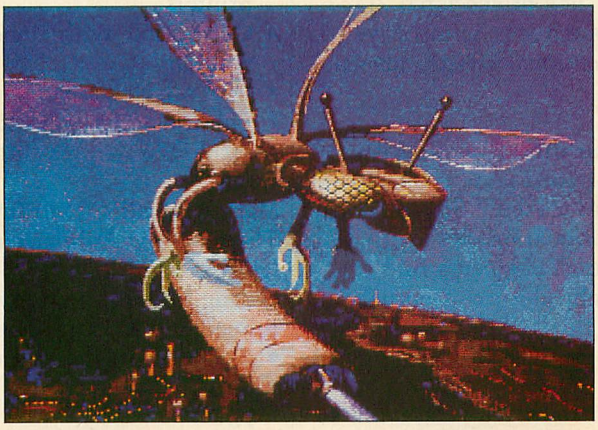
- Airbrush—four sizes, nine flow speeds
- Undo buffer erases mistakes

Anti-aliasing:

- Zag-Out—Anti-aliasing DEGAS/Neo pics for smooth edges
  - Full screen
  - Local box
  - Brush
- Blur—Adjustable neighboring pixel averaging
  - Full screen
  - Local box
  - Brush
- No Zag—Anti-aliasing and auto-curve for:
  - Lines
  - Polygons
  - Circles

Colors:

- Select colors from:
  - 512-color system palette
  - 1 to 192-color user-defined palette, or
  - Any color on screen
- Save and load custom palettes
- Fixed or floating color menus for auto-color adjustment
- Change last painted color to any of 512



"Laserbee" by Darrel Anderson

- Auto-create smooth color ranges between any two or more colors
- Color cycle paint flow through any range of colors:
  - Brush (solid or patterned)
  - Airbrush
- Fantastic color edit mode includes:
  - Search and replace one color with another
  - Search and replace several colors with several others
  - Add or subtract red, green, or blue values of one or more colors
  - Increase or decrease luminence of one or more colors
  - Perform any of the above functions globally (full screen), or locally with cursor control
- Magnify window for all functions
- 12-screen (1-meg) scrollable cut & paste buffer
- 4-way flip, and scale
- Programmable slide-show program to display your SPECTRUM 512 art
- Detailed manual includes advanced screen photography techniques
- Load IFF Amiga pics

**Public Domain SPECTRUM 512 pics!**
The pictures on this page, plus *many more*, by Darrel Anderson and Richard Berry, are available for only $12.00 on the SPECTRUM 512 SLIDE SHOW DISK (PD9100). See our ST PUBLIC DOMAIN LIBRARY on page 20.

**SPECTRUM 512**
**ST0249 $69.95**
*REQUIRES: Color monitor. 520ST's built before 12/85 may require $30 MMU chip upgrade from auth. serv. center.*
**DEGAS™ Electronic Arts**
**NeoChrome™ Atari Corp.**

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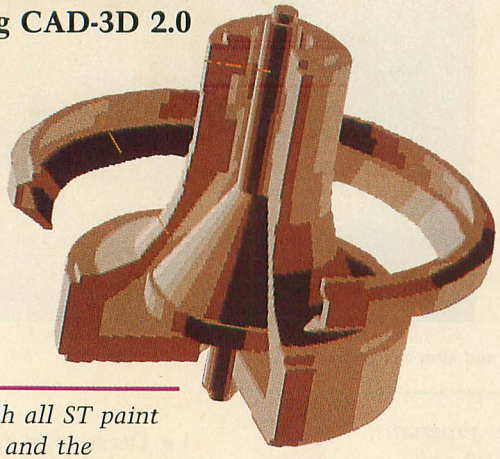
**All 50 states 6AM-6PM PACIFIC TIME**

*"Antic's CAD-3D is one of the best programs I've seen for the Atari or anything else."*
— Jerry Pournelle **Byte Magazine**

## THE CYBER STUDIO™
**Featuring CAD-3D 2.0**

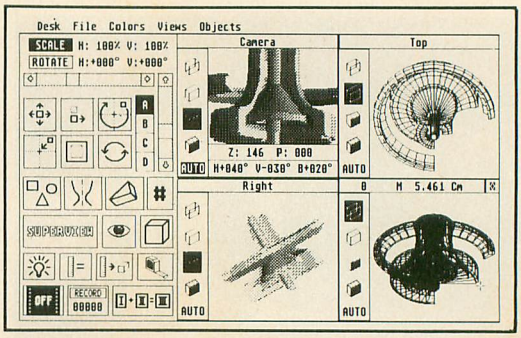


*Works with all ST paint programs, and the CYBER family.*

**Tom Hudson's STEREO CAD-3D 2.0™**
Hidden within your Atari ST is a professional 3D workstation. A 3D design system that is intuitive — yet powerful enough for professional artists, advertising agencies, or design firms.

Design and *walk through* your dream house with CAD-3D 2.0. Programmers use our system for dimensional tasks like flight-simulator scenic design; artists create accurate perspective foundations for their DEGAS or NeoChrome pictures; engineers find CAD-3D 2.0 the perfect sketchpad for conceptual design; and VCR owners use the CYBER STUDIO to create 3D titles and cartoons for home videos.

We made version 2.0 an open-architecture system, so that any programmer can easily write custom applications for CAD-3D 2.0 that run as desk accessories: motion control choreography (CYBER CONTROL-ST0250), advanced rendering/ray tracing, finite element analysis, texture mapping, custom modeling tools... There's no limit. CAD-3D 2.0 will *never* become obsolete.




Let your creativity soar with all these new features:
- Icon control panel — fast, intuitive interface
- All new, DEGAS-style color design system permits custom-color lines, edges and backgrounds, plus multi-colored objects
- *Real-time* display mode for instant response (uses 3D math developed by Jez San for Starglider)
- Supports (optional) STEREOTEK 3D glasses (TH9020) for 3D viewing
- Dimensioning (feet/inches or meters/centimeters)
- Graphic lighting control — drag lights anywhere
- GDOS output supports laser and dot matrix printers
- Compatible with Generic CADD 2.0 from Generic Software
- User-selectable pivot points for articulated rotations
- Enhanced Spin, Extrude, and Join tools
- Load DEGAS pics into CAD-3D background

**Mark Kimball's CYBERMATE™**
**The CAD-3D Animation/Editing language**
CYBERMATE is a "post-production" animation editing language that gives you control over:
- Sequence looping, cuts, fades & dissolves
- Color cycling animation
- Sound effects (created with the G.I.S.T. editor, on pg. 19)
- Title generation and text display

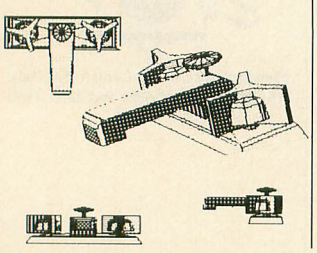
CYBERMATE features editing power plus full programmability. At your fingertips is the most efficient real-time playback system for 3D graphics on any microcomputer. And it's fast! Up to 60 frames-per-second.

CYBERMATE transforms your one-meg ST into a TEN-MEGABYTE frame buffer. And because it's a real programming language, CYBERMATE can adapt to new technologies, like the new digital video tape recorders from Japan, RGB-to-NTSC converters, MIDI, and SMPTE time code.

**THE CYBER STUDIO**
**STEREO CAD-3D 2.0 plus CYBERMATE**
**(2-disk set)**
**ST0236 $89.95**
*REQUIRES: one-megabyte RAM*
*Upgrade from CAD-3D 1.0 for only $60 (plus original disk and $5 shipping)*

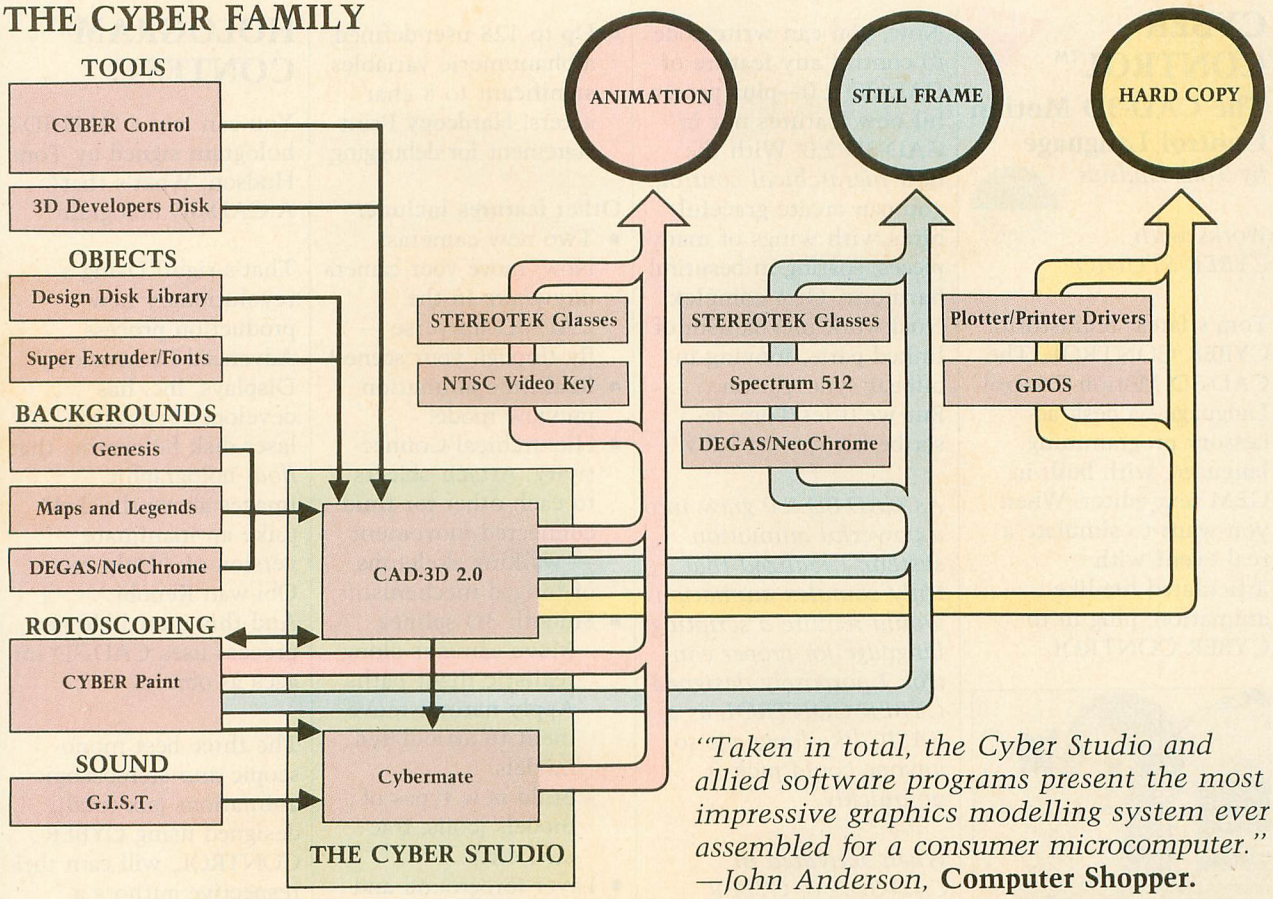
**Starglider™ Firebird Software**
**DEGAS™ Batteries Included**
**Generic CADD 2.0™ Generic Software**

## *The Original...*
## Tom Hudson's CAD-3D™ 1.0
*520ST-compatible*



*"A remarkably powerful modeling system."*
**Computer Graphics World**
If you own a 520ST and are interested in computer graphics, many of the features of CAD-3D 2.0 are included in this original version—even a basic animation system.
**CAD-3D 1.0**
**ST0214** ~~$49.95~~
*REQUIRES: 512K RAM*
***Now! $29.95***

## THE CYBER FAMILY




*"Taken in total, the Cyber Studio and allied software programs present the most impressive graphics modelling system ever assembled for a consumer microcomputer."*
*—John Anderson,* **Computer Shopper.**

So many products are being added to the ever-expanding CYBER FAMILY, we drew a flow chart to help you understand how they work together.

Here's a typical use of the CYBER FAMILY, which you can follow using the flow chart: Using CYBER CONTROL, you write a program to control several unique cameras in CAD-3D 2.0 for an animation sequence which uses skeletons from the HUMAN DESIGN DISK, being assembled in front of a molecular background provided by GENESIS. Your completed animation may be immediately viewed from CAD-3D 2.0 without even firing up CYBERMATE. And then, you may want to touch up some of the frames with CYBER PAINT — perhaps add some tweened Aegis Animator sequences. This time you check out your new animation directly from CYBER PAINT. If you want to add some wild G.I.S.T. sound effects, and eye-catching color cycling, the editing program, CYBERMATE, comes into play. Finally, you send the resulting, real-time animation straight out your 1-meg 520ST into your VCR, splicing it into your 45 minute budget presentation to, say, the National Science Foundation. And you did it for less than a tenth the cost of any other 3D animation system.

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800
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All 50 states 6AM-6PM PACIFIC TIME

### Online CYBER CONNECTION

To back up our growing CYBER family of products, we've begun an online feedback service on CompuServe. It's called the CYBER CONNECTION, and includes the latest CYBER STUDIO animation demos, upgrades, public domain premieres, and more. Much of the new material posted here will not be available anyplace else. Send messages directly to the authors like Tom Hudson and Mark Kimball. And check out their replies as they respond to other users. CYBER CONNECTION includes hints, tips, and suggestions from the best.

The CYBER CONNECTION is easy to find: At the CompuServe prompt, type *GO ANTIC*. When the first menu appears, select *Online Cyber Connection*, and you're in!

**Composite Video Cables**
For those of you who own a 1-meg 520ST with composite outputs, Practical Solutions sells a special monitor cable ($15) that has composite video jacks which avoid the noisy (and VCR-incompatible) RF signal output.

*NOTE: Those with 1040STs will soon be able to use The Video Key, an RGB-to-composite converter with a much higher quality NTSC signal, available from Practical Solutions (602-884-9612).*

## CYBER CONTROL™

New!

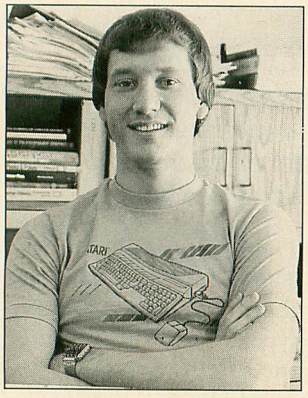
### The CAD-3D Motion Control Language

*by Tom Hudson*

STEREOTEK OPTIONAL

*Works with CYBER STUDIO*

Tom's latest brainstorm: CYBER CONTROL, The CAD-3D Motion Control Language—a desk accessory programming language, with built-in GEM text editor. When you want to simulate a real event with articulated life-like animation, plug in to CYBER CONTROL.



CYBER CONTROL is an animation scripting language that locks in to CAD 3-D 2.0, controls all of its functions, and magnifies its already powerful capabilities. Whether you're a hobbyist or a scientist, you can create animated 3D models in a single afternoon. Simulate particle physics; 3D animation for entertainment or education; 3D financial analysis; animated, fully dimensional math models; event reconstruction of P.I. litigation; human factors engineering. . . you name it!

Now, you can write code to control any feature of CAD-3D 2.0—plus powerful new features not in CAD-3D 2.0! With the new *hierarchical control*, you can create graceful birds with wings of many pieces, soaring in beautiful harmony. Or a complex clockwork mechanism of linked parts, moving in offbeat syncopation. . . . But we'll let Tom describe his newest baby:

*As CAD-3D 2.0 grew into a powerful animation system, I realized that truly complex animations would require a scripting language for proper control. I purposely designed CYBER CONTROL as a BASIC-like language so anyone could pick it up quickly.*

*When activated in CAD-3D 2.0, CYBER CONTROL takes over full control of all functions, creating and manipulating objects and cameras (yes, three different ones). Its primary use is as a cinematic motion-control script language, but its flexible nature makes it an ideal "front-end" for CAD-3D so you can write your own BASIC-like programs that use CAD-3D as a "graphic engine!"*

**Language features include:**

- FOR/NEXT for full Loop control; Conditional IF/THEN; GOSUB/RETURN.
- Labels instead of line numbers
- Numeric expression handling; *floating point*; logical AND and OR; parenthesized expressions; function library including sine, cosine, tangent, square root, and more!
- Up to 128 user-defined, alphanumeric variables, significant to 8 characters! Hardcopy Print statement for debugging.

**Other features include:**

- Two new cameras! Now, move your camera *anywhere* in the CAD-3D universe — fly *through* your scenes!
- Real-time animation preview mode!
- Hierarchical Connectivity. Attach objects to each other for fluid, connected movement — walking skeletons, or hinged mechanisms.
- Smooth 3D splines:
  - Move cameras along realistic flight paths
  - Apply natural movement to articulated models
  - Build new types of models (coils, fractals, etc.)
- Layer foreground and background images for cel animation.

*I hope you enjoy CYBER CONTROL. Your ST can* automatically *create animations that would take you* days *to complete — in a matter of hours. Start the program and walk away, as your computer does all the work!*

*— Tom Hudson*

**CYBER CONTROL**
**ST0250 $59.95**
*REQUIRES: CYBER STUDIO*
Recommended: CAD-3D version 2.02
CAD-3D 2.02 is available **only** in The Catalog's CYBER STUDIO package (ST0236), which also includes CYBERMATE.

## HOLOGRAM CONTEST!

You can win a CAD-3D hologram signed by Tom Hudson! What's that? A CAD-3D hologram?

That's right! Using a revolutionary new production process, Advanced Dimensional Displays, Inc. has developed reflective, laser disk holograms that *float* holographic images above the disk! (Like an inanimate version of: "Help me Obi-wan Kenobi. . . .") And this incredible new process uses CAD-3D images as objects!

The three best monoscopic *and* stereoscopic animations (six total), designed using CYBER CONTROL, will earn their respective authors a five-inch hologram, generated by CAD-3D and autographed by Tom Hudson. Contest deadline is midnight, January 31, 1988.

*Note: This contest is only available to registered CYBER CONTROL owners. Limited to one entry per owner, and you must include the contest entry blank enclosed in the CYBER CONTROL package.*

**Monday-Friday MasterCard, VISA Only**
**All 50 states 6AM-6PM PACIFIC TIME**

## CYBER PAINT™
### Pro Animation Studio
*by Jim Kent*

Sometimes 3D animation just isn't enough. The classic Disney animations were painted, cel by cel, in a flowing, two-dimensional brilliance of color. Some of the best animation is still created this way. Thus, CYBER PAINT.

CYBER PAINT is a frame-by-frame animation/paint program with a lot of extras. You can use it by itself to create 2D animated fantasies, or . . .

. . . load in a three-dimensional CYBER STUDIO animation and add classic animation flourishes.

Say you've just created a CYBER STUDIO animation of a rocket launch, and it looks great — a realistically shaded 3D space vehicle lifting off. But now you want to add flickering exhaust flames, smoke, and some alien trees waving in the breeze. CYBER PAINT lets you do it fast. And it's fun!

Designed by Jim Kent, author of Aegis Animator, CYBER PAINT lets you touch up individual frames, or add smooth, tweening effects — automatically — to any range of frames. And, with CYBER PAINT, you can *merge your Aegis Animator animations* directly into the 3D CYBER Universe!

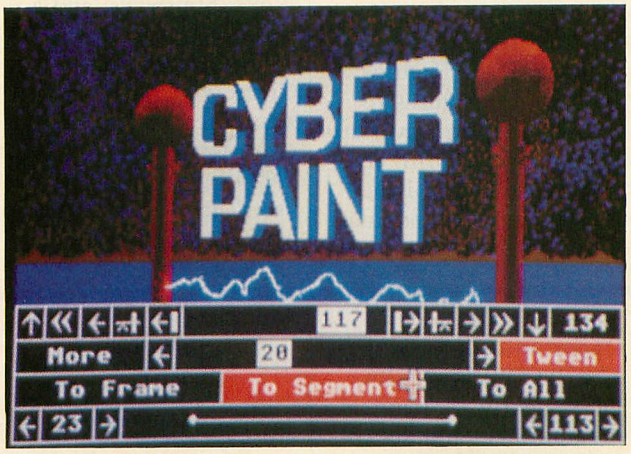
And, since CYBER STUDIO isn't required, you can use CYBER PAINT as a stand-alone 2D animation/paint system. The possibilities are limitless.

**3 frames of CYBER STUDIO animation before CYBER PAINT**

**The same 3 frames after a CYBER PAINT touch-up**

*Works with all ST paint programs, plus CYBER STUDIO (ST0236), and AEGIS ANIMATOR.*

New!




Just a few of CYBER PAINT'S many features:

- Automatic mode for cel registration
- ADO-style special efx
- Fly animations on multiple axes or paths
- Real-time "scratch video"
- Cut & Paste, Stretch, Flip & Rotate
- *Overlay* or *underlay* entire animation files, portions, or single pics.
- Multiple brushes + Airbrush & Stipple
- Pen, Line, Polygon, Circle, and Box
- Tweening operations on selected areas
- Time menu for global or local tweening
- Flood fill and Color Separation
- Real-time Magnify, active at any time
- Color Cycle, Tint, Inverse, Change
- Intuitive mouse or keyboard control

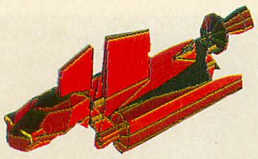
**CYBER PAINT**
**ST0251 $69.95**
*REQUIRES: One-megabyte RAM & color monitor*
**Aegis Animator™ Aegis Development**
**DEGAS™ Electronic Arts**
**NeoChrome™ Atari Corp.**

## CYBERSCAPE™
### A 3-D "feature film" on disk
*by Darrel Anderson*

Skim the fantastic, 3-dimensional terrain of the mind! Metamorphosing metallatons and transforming tubular time slots! This full-color, animated feature was created by *professional*

*artist* Darrel Anderson, to show what can be done with CYBER STUDIO (ST0236). An incredible **tour de force** of computer graphic power, this demo is a guaranteed auto-lobotomy of the very first order!

**CYBERSCAPE DS**
**(1 double-sided disk)**
**SB0104 $10.00**
*REQUIRES: Double-sided drive and 1 megabyte RAM*



## FUTURE DESIGN DISK™

*by Darrel Anderson*

Get a fast start on your three-dimensional explorations with the CAD-3D FUTURE DESIGN DISK. Everything you need to create **spacecraft, stations, bases, vehicles, robots,** and **androids**. Model your future then populate it with androids and CAD-People. Bring it to life with CYBERMATE; detail it with any popular paint program. Includes:

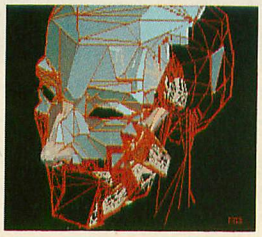
- Blueprints
- Complete models
- Component parts
- Construction tips

**FUTURE DESIGN DISK**
**ST0232 $29.95**
*REQUIRES: CAD-3D 1.0, or CYBER STUDIO*

## HUMAN DESIGN DISK™

*by Richard Berry*

Populate the CAD-3D Universe. Bring to life your CAD-3D creations with the CAD-3D HUMAN DESIGN DISK. Complete modular male and female prototypes, in skeletal anatomy forms, are included. Complex



head and hand details add realism to your figures. Modify your figures to create the infinite variety of the human form, pose your figures, detail the images with any popular paint program, or bring them to life with the CYBERMATE Animation System. Includes:

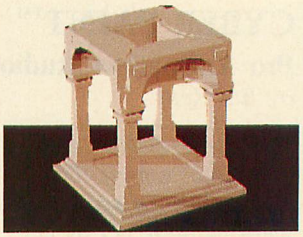
- Blueprints
- Tips on the dynamics of human anatomy.

**HUMAN DESIGN DISK**
**ST0242 $29.95**
*REQUIRES: CAD-3D 1.0, or CYBER STUDIO*

## ARCHITECTURAL DESIGN DISK™

*by Darrel Anderson*

Create CAD-3D renderings of your Dream House or build an entire CAD-3D City from the ground up. Component parts including: Doors, Windows, Arches, Roofs, Walls, Stairways, and a wide variety of architectural accoutrements. Create your own CAD structures and populate them with HUMAN DESIGN figures. Build "sets" for your CYBERMATE animated movies.



NOTE: The ARCHITECTURAL DESIGN DISK can be used to visualize and render real world architecture. It is not intended for use as an architectural engineering tool. Includes:

- Blueprints
- Complete models
- Design tips

**ARCHITECTURAL DESIGN DISK**
**ST0243 $29.95**
*REQUIRES: CAD-3D 1.0, or CYBER STUDIO*

---

***Now you can write the next hit 3D program!***

## 3D DEVELOPER'S DISK

### For CYBER STUDIO

*by Tom Hudson*
*Works with most popular ST C's plus machine language*

While Tom was rewriting CAD-3D, he quickly realized that it was impossible to add *everything* and still release a product in this century. Plus, who wanted CAD software that required a 4 megabyte machine? So he opened up the system—by providing a programmer's 'pipeline' through desk accessories.

**Opportunity Knocks!**
The 3D DEVELOPERS DISK clearly explains to programmers and developers how to access the pipeline. Included on the disk are full-featured source and object code examples, plus detailed instructions by Tom Hudson showing you how to hook into CYBER STUDIO. Create your own 3D applications—with no knowledge of 3D math. There's no licensing fee required.

**3D DEVELOPER'S DISK**
**ST0244 $29.95**
*REQUIRES: CYBER STUDIO*

## 3D-FONT PACKAGE™

*by Tom Hudson*
*Works with CAD-3D 1.0 and CYBER STUDIO*

Design your own 3D greeting cards, signs, logos, and letterheads with CAD-3D. Over 250K of serif and sans-serif letters. At the heart of this *packed* disk is Tom Hudson's *Super Extruder Tool*, which doubles as a 3D Font Editor. With it, you can create new kinds of complex, *multicolored 3D objects* (such as those seen in the 3D DESIGN DISKS) that can't be built with CAD-3D alone.

**3D-FONT PACKAGE**
**ST0224 $24.95**
*REQUIRES: CAD-3D 1.0, or CYBER STUDIO*

## 3D PLOTTER & PRINTER DRIVERS™

Supports Hewlett-Packard pen plotters (and compatibles); plus Gemini/Star, Epson, Okidata, IBM, Color, NEC, Panasonic, C-Itoh dot-matrix printers.

**PLOTTER DRIVERS**
**ST0225 $24.95**
*REQUIRES: CAD-3D 1.0, or CYBER STUDIO*

*True stereoscopic 3D graphics for your Atari ST*

## STEREOTEK™ 3D GLASSES

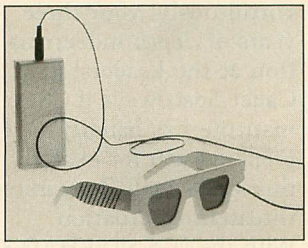
*by LC Technologies*

© Michel Tcherevkoff TIB West

Put on the STEREOTEK glasses and jump into a new universe. Discover a magical world that you always knew existed. That *extra* dimension—**depth**. Now you can add depth to your computer graphics with STEREOTEK Liquid Crystal glasses. Solid, realistic, 3D images you want to reach out and touch. STEREOTEK glasses plug into your Atari ST cartridge port to provide absolutely realistic 3D graphics in full color or high-res monochrome. Your STEREOTEK depth-view system includes:

- One pair electronic Liquid Crystal Shutter glasses with six-foot cable (can be comfortably worn over eyeglasses)
- ST cartridge interface unit—supports six sets of glasses (additional sets optional)
- DEGAS Elite Stereo Desk Accessory
- Stereo CAD-3D animation and stereo slide show by Tom Hudson
- For programmers: Complete developer's instructions plus source code for adding stereo to your own programs (C or GFA BASIC)

The secret to full-color stereo images on a computer screen is electronic Liquid Crystal Shutter (LCS) glasses. Two optical shutters in eyeglass frames are connected electronically to the ST. Every time the ST screen refreshes (60hz/color, 70hz/mono), one shutter closes and the other opens.



The monitor displays alternating right and left eye views synchronized with the shutters. The alternating views appear faster than the eye can see, and your brain translates the normally flat monitor image into one of startlingly realistic depth.

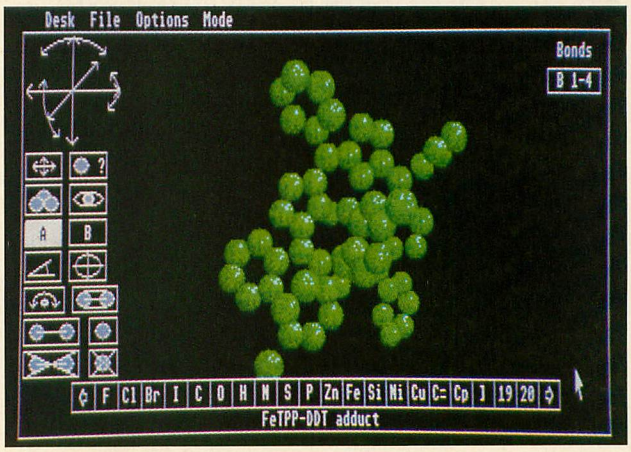
**STEREOTEK 3D SYSTEM**
**TH9020 $149.95**
**ADD-ON GLASSES ONLY**
**TH9021 $99.95**
**Satisfaction guaranteed or your Money Back! (during 30-day warranty period)**

**LC Technologies is a venture of Tektronix, Inc.**

**Monday-Friday MasterCard, VISA Only**
**All 50 states 6AM-6PM PACIFIC TIME**

## GENESIS™
### The 3D Molecular Modeler

*by Scott Legrand*




The atoms of life: carbon... nitrogen... hydrogen... oxygen... phosphorus...

This is the stuff we're made of. But until now, only research scientists in large universities could actually *image* the building blocks of matter.

Imagine creating the basic elements yourself, then watching as they come to life. And with a pair of STEREOTEK glasses, this miraculous process unfolds in 3D stereoscopic depth.

Using GENESIS and your mouse, you can:

- load and display amino acids, hydrocarbons, and sugars
- create your own molecules onscreen or build them with data from pre-stored libraries
- Explore X-ray Crystallography

Rotate 3D molecules on any axis — X, Y, or Z, using real-time control. In *stereo*, hexagonal carbon rings and delicate fingers of hydrogen burst right out of your monitor.

With two molecules onscreen, you may:

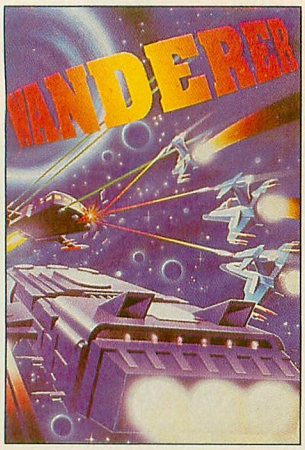
- create your own rules for molecular bonding, then animate the chemical reaction between them
- derive the new empirical formula and print hardcopy data for reference

GENESIS offers the same type of iconic control panel and intuitive human interface pioneered on the Atari ST with CYBER STUDIO (ST0236). Three different display modes for every imaging need:

1) STEREOTEK LCS glasses (TH9020)
2) Red/blue anaglyphic glasses
3) No-glasses (monoscopic)

And with data provided on the program disk, you can create virtually any known molecule using the on-line periodic table of elements.

**GENESIS**
**ST0239 $79.95**
*REQUIRES: One-megabyte RAM*




***Now available for use with StereoTek Glasses***

STEREOTEK OPTIONAL

## LCS WANDERER™

**Deep space has never been so real!**

*by Pyramide Software*

LCS WANDERER is the first ST game designed for full-depth stereo. Written in France, but set in outer space, this stunning arcade adventure transports you through galactic Space sectors, Black holes, and Limbo. Startlingly realistic, stereo point-of-view animation puts you in the cockpit as you swoop and dive through star fields while dodging enemy aircraft.

This is no ordinary space shoot-em-up. The bizarre, complex plot involves the ruthless kidnapping of every cat on earth. As you wander though space, collecting purloined pussycats, you run across the Heads of State of the Planetary sectors with whom you must play interstellar poker. LCS WANDERER is a complex, multimodular program—really several games in one. Journey from the dogfights in the Space sectors to the interstellar poker strategies, from the Battlezone-style of the Planetary sectors to the stereo tunnel of the Black holes, and Limbo. . . well, there's always Limbo.

The liquid crystal clarity of the StereoTek glasses transforms LCS WANDERER into a multicolored micro universe within your monitor. Includes a completely redesigned solid-surface cockpit, full 16-color displays, and reduced eye fatigue compared to the original red/blue version.

**LCS WANDERER**
**ST0238 $39.95**
*REQUIRES: Color monitor and StereoTek Glasses*
**Battlezone™ Atari Corp.**

**Monday-Friday MasterCard, VISA Only**
**All 50 states 6AM-6PM PACIFIC TIME**

## $5,000 CONTEST

Antic and LC Technologies are co-sponsoring a competition to search for the **most innovative stereo application program.** We're going to pay $5,000 in cash (advance against royalties) for the winner, plus a continuing royalty upon publication here in The Catalog.

For an official entry blank and competition details, write to:
STEREO COMPETITION,
The Catalog,
544 Second Street,
San Francisco, CA 94107,
or call (415) 957-0886.

***A new perspective in Arcade Action!***

## SHOOT THE MOON™

**3D Alien Invaders**

*by Mountain Fresh Software*

STEREOTEK OPTIONAL

New!

You've been in worse fixes — but you can't remember when. Aliens! Floating down from the sky, dropping bombs. And not just overhead . . . and not just to the right . . . and not just to the left . . . but *way down back there*, and *right up front here!*

Fortuitously, your three years of *depth* indoctrination at the Leadership Cadet Spaceways (LCS) institute has handily prepared you for exactly this kind of vile, humanity-threatening situation. With the LCS STEREOTEK glasses (TH9020) firmly affixed to your face, you correctly perceive the precise Z-space location of each ugly little alien beastie, manipulate your Kronos-Smithfield servo-remote laser tractor beneath the erratically twitching horror, and blow the abhorrent critter out of the sky. But, no time to enjoy the view, Depth Cadet! There's plenty more space nasties where that thing came from. And, if you clear this sky, it's on to another world — where the monsters get smarter.

SHOOT THE MOON is a colorful, high-speed shoot-em-up in the classic arcade tradition, with fabulous animation, original sounds, and one big difference — *stereo*. The floating aliens menace you from multi-depth levels as you maneuver your ship beneath them, find the right depth level, and pulverize them.

Beyond the sheer entertainment value of SHOOT THE MOON, we've found stereo games to be excellent training tools for children requiring ocular muscular excercise, or training in depth perception.

And, for those who want their traditional arcade games to remain completely traditional, you can play SHOOT THE MOON in 2D without the glasses. The game play is just different enough to make it a whole new challenge. Master the double-dimension version before moving on to the STEREOTEK universe, or, if you already have STEREOTEK glasses, master both versions.

**SHOOT THE MOON**
**ST0252 $39.95**

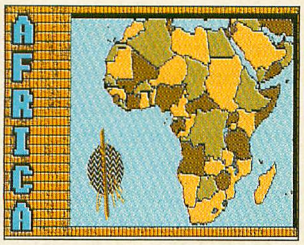
***The world on a disk. Maps for everybody!***

## MAPS AND LEGENDS™ The Cartographer

STEREO OPTIONAL

**Enhanced Version**

*by Harry Koons and David Chenette*




Hold on a second. Now that you've word-processed, spreadsheeted, databased and telecommunicated with your Atari ST, aren't you looking for **something different?**

How about Cartography? Until now, mapmaking has been a unique art mastered by only a few talented people. With MAPS AND LEGENDS, your Atari ST becomes a personal desktop cartography system.

Show your children exactly what the world looks like—with or without political boundaries. And in STEREO, the world globes appear to be floating *in front* of your monitor. Or print an impressive custom map to go with your travel itinerary. We use MAPS AND LEGENDS all the time at the office for sales and marketing maps. And since it's based on the GEM interface, it's GEM-easy to use!

**MAPS AND LEGENDS 3.0**
**ST0202 $34.95**
**(upgrade is $15)**

**LET'S GET TECHNICAL**
**Packed** with features, including: Stereo Compatibility, Built-in 9000-Coordinate Database, 11 Different Map Perspectives, Plotting from any altitude, Works in all 3 screen modes, Built-in Paint System (and compatible with DEGAS and NEO), Multi-font Labeller, Custom Overlay Plotter (create your own maps—build your own map databases), Auto-locate Mode (reads coordinates, distance and bearing from maps) and so many more that we don't have room to list them all.

## DATAMAP COLLECTION™

**Expand Your Maps and Legends Database!**

**NATIONAL POLITICAL BOUNDARIES**
Europe, Latin America, S. America, Asia, Africa

**PROVINCIAL BOUNDARIES**
Australia, Canada, China, U.S.S.R.

PLUS HISTORICAL MAPS AND MORE!

**DATAMAPS**
**ST0227 $24.95**
*REQUIRES: MAPS AND LEGENDS 2.0 or greater*

***Now! A professional flight planner for the ST!***

## THE NAVIGATOR™

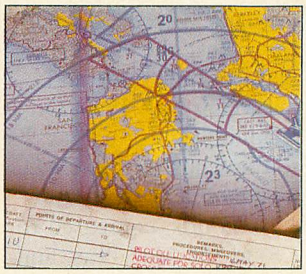
*by Scott D. Stephenson*
*Works with MAPS AND LEGENDS*

Sometimes, you really need to know *exactly* where you're going. Have you ever wondered, while boarding your plane, how the pilot will find his way to your destination? The answer is navigation. The pilot follows a detailed flight plan created by his navigator.

Now, accurate computerized navigational planning is available on the Atari ST. THE NAVIGATOR is a professional, automated flight planner created specifically for the ST by professional navigator Scott D. Stephenson. Private pilots, military pilots, navigators (ocean-going as well as air), and commercial operators can use this amazing program to create accurate, detailed flight plans.

Amateurs, arm-chair flyers, teachers and students of navigational theory can discover how the professional navigator plans his flight, compensates for wind direction, establishes waypoints, and calculates times and distances. And we've included a special MAPS AND LEGENDS overlay function which creates custom map overlays, graphically displaying your flight paths.

- **Private Pilots:** You'll love THE NAVIGATOR'S printed flight plan and extensive ICAO waypoint database.
- **Armchair Pilots:** Generate your own flight plans for subLogic's FLIGHT SIMULATOR.
- **Teachers:** Show your students the rudiments of navigation. Use THE NAVIGATOR plus MAPS AND LEGENDS to measure the earth!
- **Sailors:** Plan for currents or winds—taking fuel flows and times into consideration.
- THE NAVIGATOR comes complete with these databases: European ICAO, Asian ICAO, and US ICAO.



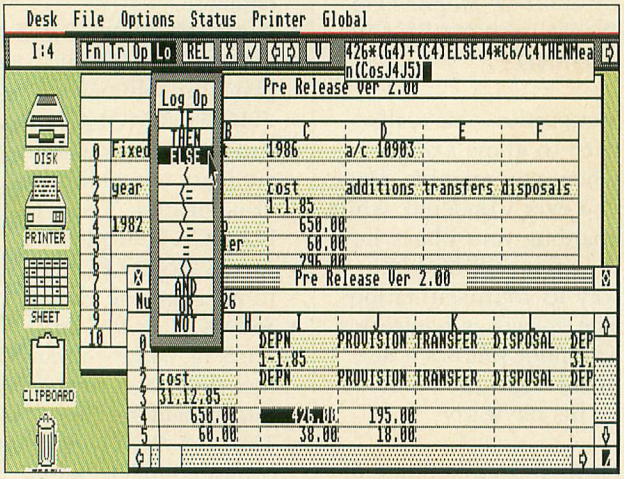
**2 PROGRAMS IN 1!**
Included with THE NAVIGATOR is THE NAVIGATION TOOLKIT, a bonus program of computer navigation tools which performs sophisticated data management operations on your waypoint databases. Create new data files or modify existing files using its advanced random-search technique.

**THE NAVIGATOR**
**ST0245 $49.95**

## *Byte* tests show A-Calc almost *twice* as fast as Microsoft Multiplan on the Mac Plus!

# A-CALC PRIME™

*by Kuma Computers, Ltd. UK*




That's right! In the February 1987 review of the Atari 1040 ST, **Byte** magazine selected A-CALC 1.0 to test the Atari against the Amiga and the Macintosh Plus. On recalculation of a 25 x 25 cell spreadsheet, A-CALC was the clear winner at 4.7 seconds, compared to 7.5 on the Mac Plus, and 6.5 on the Amiga (using Lattice Unicalc).

And now, you can have all the speed of the original GEM-based spreadsheet plus the powerhouse features of the next generation: A-CALC PRIME—it blows away the competition.

Features that made the original A-CALC 1.0 the easiest-to-use spreadsheet ever:

**Monday-Friday MasterCard, VISA Only**
**All 50 states 6AM-6PM PACIFIC TIME**

*"This is the easiest to use spreadsheet that I've ever seen."* —W. Krieger, **Computer Shopper Magazine**

- Up to five windows open at once
- WIDE VIEW option to see 50 percent more of your worksheet at once
- SEARCH for character strings
- Powerful PRINTER FORMATTING commands
- .DIF file compatibility
- Exclusive A-CHART compatibility
- Sparse-matrix design maximizes available RAM

And now, PRIME adds dozens of special features:

- Row and column lock
- Conditional expressions (IF, THEN, ELSE, etc.)
- MACROS
- Labels
- 8192 rows x 256 columns
- Color/pattern coding of formula, text, value, etc.
- SORT and FIND
- Trig functions
- **Sideways** printing (for Epson FX 80)
- High-speed SMOOTH updating
- Complete printer control from **within** the spreadsheet
- Password-protected cells (hide and unhide)
- Additional ease-of-use features:
  - **Off-screen** scrolling with the mouse
  - **Out-of-the-way** convenient edit window
  - Cell and range reference by **pointing with the mouse** (even reference cells in inactive windows!)
  - **Ten** clipboards
  - Illustrated manual and on-disk examples

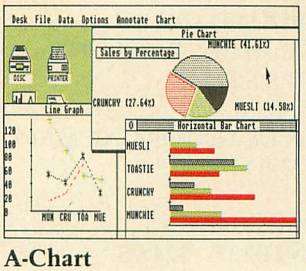
In short, PRIME gives you premium spreadsheet power for the rock-bottom price of $59.95. And, for A-CALC 1.0 owners, the upgrade is only $20.00 (plus $5.00 shipping. Enclose your original ver. 1 disk).

**A-CALC PRIME**
**ST0235 $59.95**

## *Make your next presentation the one they remember.*

# A-CHART™

*by Kuma Computers, Ltd. UK*




**A-Chart**

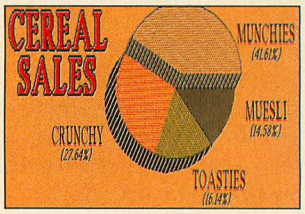
When was the last time you were excited about your spreadsheet? A-CHART makes working with figures **fun and intuitive.**

A-CHART automatically turns your A-CALC (or A-CALC PRIME) spreadsheets into beautiful graphs that are DEGAS-compatible. And, if you don't have a spreadsheet, A-CHART's **built-in editor** will help you organize those numbers into a super-sharp presentation.

View your data in **eight different chart styles**—change styles instantly with one mouse click. **Drag and size multiple charts** in each window, **define your own fill patterns and line styles.** The flexibility of the graphic presentation of your numbers will give you **an entirely new perspective on your business or home budget.** And A-CHART grows as you do, with the capability of storing up to 50,000 data points in a 512K machine and 150,000 datapoint in a 1 meg machine. **Full statistics menu** for detailed analysis includes Mean, Median, Variance, Standard Deviation, Skewness, T-test, F-test, and much more.

**A-CHART**
**ST0230 $39.95**

*Epson Compatible Printer from A-CHART*
*Multi-printer compatible from DEGAS*




**Degas Enhanced**

*File Compatible with BASE-TWO, PHA$AR and A-CALC PRIME*

# PHA$AR™

## Professional Home Accounting System and Register

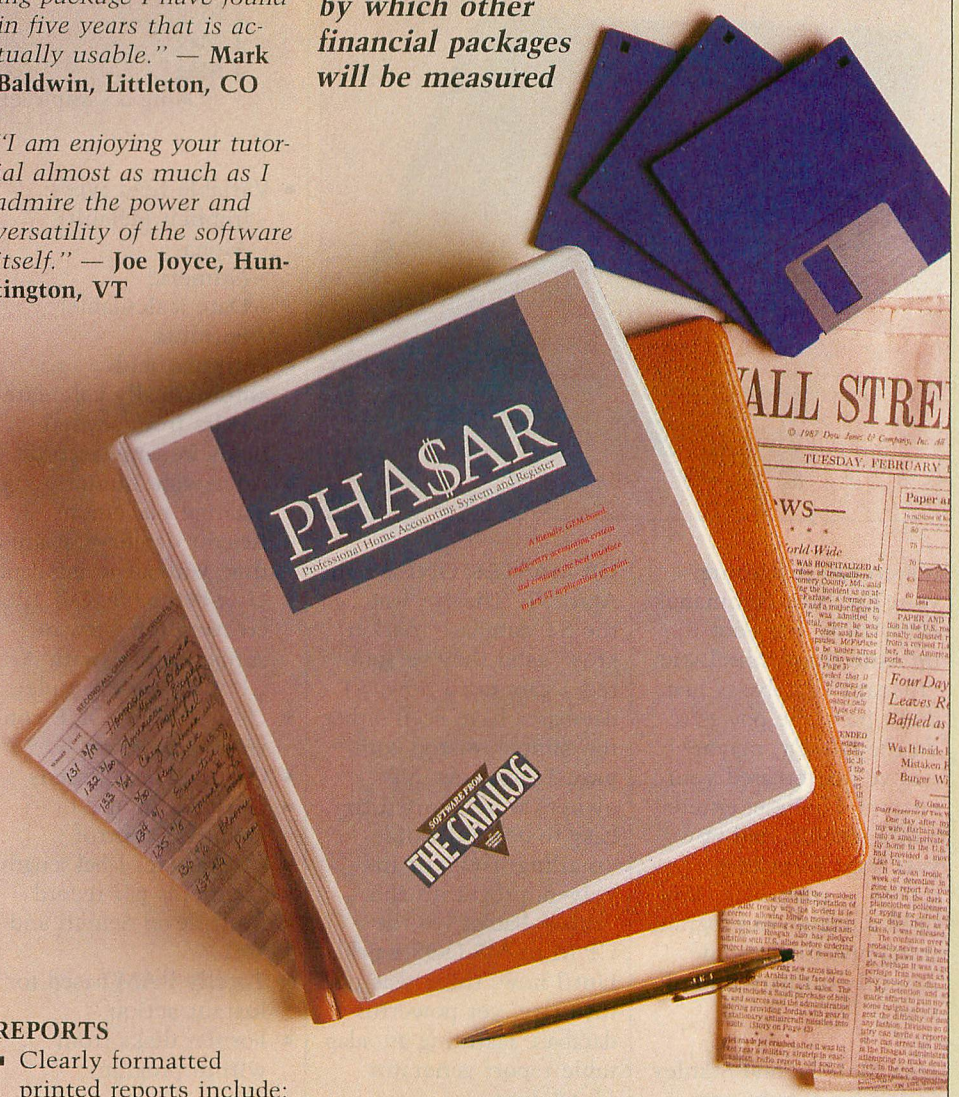
*by Marksman Technology*

PHA$AR: A friendly, GEM-based, single-entry accounting system that will make your life easier. PHA$AR is fast, sophisticated and contains the best interface programming design we've seen in any ST applications program.

*IBM and Amiga users say: "The first home accounting package I have found in five years that is actually usable." —* **Mark Baldwin, Littleton, CO**

*"I am enjoying your tutorial almost as much as I admire the power and versatility of the software itself." —* **Joe Joyce, Huntington, VT**

***PHA$AR is the standard by which other financial packages will be measured***




### GENERAL FEATURES

- 130 expense/income categories
- 40 accounts (VISA, checking, etc.)
- Up to 500 transactions per month
- Custom check printing
- A.I. parser predicts input, minimizes typing
- Instant help messages with right mouse button
- Relational design integrates financial data

### TRANSACTIONS

- Automatic transfers between accounts
- Split-category transactions
- Create transaction macros for repetitive entries
- Point-and-type spreadsheet-style relational summary update

### FINANCIAL ANALYSIS

- Easy budget setup and maintenance
- Analyze loan/savings plan
- Display multiple loans simultaneously for easy comparison

### RECONCILIATION

- Display outstanding transactions for any account
- Confirm transactions with a single keystroke

### REPORTS

- Clearly formatted printed reports include:
  - Account Summaries
  - Category Summaries
  - Net Worth Statement
  - Tax Calculations
  - And more . . .
- Display or print total income/expenses, monthly or year-to-date
- Sort categories in any order
- Built in data graphing
- Compatible with A-CHART (ST0230)

### DATE/ADDRESS ORGANIZER

- Store up to 250 names, addresses and phone numbers
- Integrated scheduler stores special occasions
- Display calendar with highlighted special occasions
- Optional auto-alert reminds you of important events

### TAX

- Design your own tax forms—never out of date
- Calculate tax liability in less than one minute
- Project tax liability at any time

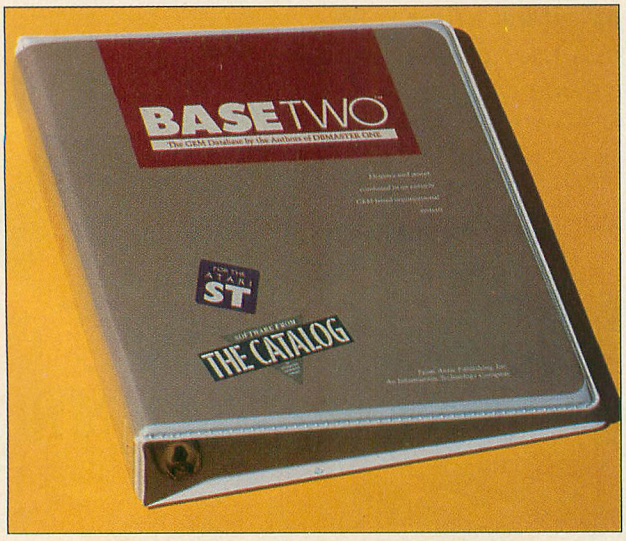
**PHA$AR**
**ST0237 $89.95**

# BASE TWO™

The GEM Database by the Authors of DBMASTER ONE

***The next step in databases!***

*by Dan Matejka and Stanley Crane*




It's no fun re-learning your database commands every time you boot it up. And those simplistic "filecard" databases just don't have the power to do the job. Or, maybe you've just created your custom database, entered 5,000 records, and now you want to print a report. . . good luck. You need a degree in programming just to get some decently formatted hard copy.

Dan Matejka and Stanley Crane have eight combined years of experience writing databases on computers ranging from the IBM PC to the Apple Macintosh. And their databases range in complexity from the extremely powerful and complex IBM PC DB MASTER to the familiar, introductory DB MASTER ONE on the Atari ST. They've watched the ST database market grow—and they've spotted a gap: until now, ST databases have been either too simple, or too complex. Until now, ST owners were limited to easy-to-use, inflexible "mailing lists," or involved, programmable "throw-backs" to the CP/M or MS-DOS world. Until now, there was no intuitive, yet powerful database featuring an adaptable report generator. *Until now.*

BASE-TWO fills the gap. Entirely GEM-operated, DB MASTER ONE owners will find it familiar, yet far more powerful. Look over some of the features and see if it solves your problem:

**INSTANTANEOUS SORTING!**

| size | number records | sort time |
|---|---|---|
| 512K | 5,000 | 5.1 sec |
| 1 Meg | 10,000 | 9.7 sec |
| 2 Meg | 20,000 | 19.2 sec |
| 4 Meg | 50,000 | 46.1 sec |

Using a sample eight-field mailing list.

- Variable field types:
  - Implicit (default)
  - Alpha
  - Numeric
  - Date (calculable)
  - Formula
- Formula fields automatically calculate results from several fields in same record
- Adjustable numeric decimal placement
- Re-edit database at any time without losing data
- User-definable .DIF file creation for software compatibility (with A-CHART, for example)
- DB MASTER ONE conversion program
- On-line Help screens
- Optional mouse or keyboard control
- 64 character label length
- 100 fields per record
- Multi-level Search and Sort
- Totally RAM-based for instant action
- Format disks from within program

The intuitive BASE-TWO **Report generator** includes:

- Multi-line field word-wrap; screen and printer
- Completely adjustable label or column-format report
- Optional, automatic date, time and page numbering
- Print reports to screen, printer, or ASCII disk file for word-processor editing
- Optional subtotal printout
- Adjust number of records per page
- Double-line report headers
- Place "comment" text anywhere
- Customize with printer control codes
- "Soft" field borders for autofield truncation
- Single-sheet or continuous feed option
- Store 10 custom reports for each file
- Up to 100 unique fields per report

**BASE TWO**
**ST0246 $59.95**

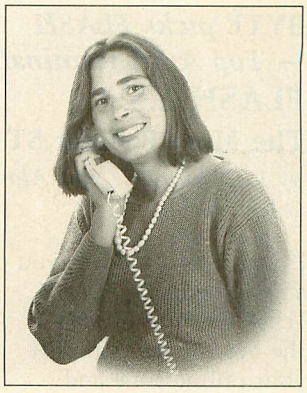
DB MASTER ONE is a registered trademark of DB MASTER Associates.

**Monday-Friday MasterCard, VISA Only**
**All 50 states 6AM-6PM PACIFIC TIME**

# DON'T LET THIS HAPPEN TO YOU!

*"I ordered FLASH and got these funny purple things!" "Shipping and handling? **What** shipping and handling?" "Why did I get ST software? I wanted XL/XE software!" "My software was delivered **where**?"*
*Sounds alarming, doesn't it? We don't want this to happen to you!*
*Take a moment to read the ordering information below,*
*so that we may ship you your order as fast and accurately as possible.*
*Thanks for ordering from The Catalog!*

Lisa Wehrer
Manager, Customer Service
The Catalog



## ORDERING INFORMATION

1. Check for any hardware requirements at the end of each product description (e.g., REQUIRES: one-megabyte, color monitor, etc.).
2. Make sure the programs you are ordering are for your machine. The first three letters of the **Item Number** will tell you which machine each program is for.

| FOR THE ATARI ST | | | | FOR THE ATARI XL/XE | | |
|---|---|---|---|---|---|---|
| ST0 | PD9 | SDS | SB0 | AP0 | PD0 | ADS |
| TH9 | BB9 | ST9 | | TH0 | BB0 | |

3. **$20.00 minimum order**, on all orders.

## ORDER BY MAIL

1. Use the attached order form if possible. If you do not have one, please:
a. **Clearly print** you name, address and telephone number.
b. **List Quantity, Item Number,** name of item, price of item and total.
c. Add **correct amount for shipping and handling charge** (see below). California residents must add 6.5% sales tax on merchandise total (shipping and handling are not taxed).
d. Enclose **check, money order** or **credit card information.** We accept Mastercard and Visa only. Please indicate MasterCard or Visa; include account number and expiration date.
2. **No C.O.D.'s. Do not send cash.**
3. **Overseas Customers,** order by Visa, MasterCard, or check or International Money Order in U.S. funds drawn on a **U.S. bank only. No** wire transfers. **$40.00 minimum order.**

## ORDER BY TELEPHONE

**WHEN TO CALL**
Ordering by phone is quick and easy. If you call in the afternoon, you will get fewer busy signals. Orders are taken from 6am to 6pm **Pacific Time** Monday through Friday.

## HOW TO ORDER

1. Have the **item number** ready for each item you wish to order.
2. Phone orders are payable by **Visa** or **MasterCard.** Please have your **account number** and **expiration date** handy.

## CALL TOLL FREE 800-234-7001

(orders only) All 50 states Monday through Friday 6am-6pm **Pacific Time**

## SHIPPING AND HANDLING CHARGES

| Disks | Domestic | Foreign | Canada/Mexico |
|---|---|---|---|
| 1-5 | $3.00 | $10.00 Air | $4.00 |
| 6-10 | $6.00 | $15.00 Air | $7.00 |
| 11 or more | $9.00 | $20.00 Air | $10.00 |
| **Books** | $3.00 per book | $10.00 per book Air | $3.00 |
| **Magazines** | $1.00 each | $5.00 each | $1.00 each |

For Order Inquiry and Technical Support, please call: (415)957-0886
Monday through Friday 8am to 4pm **Pacific Time** (closed for lunch 1pm-2pm)
Compuserve™ subscribers enter: GO ANTIC
We regret we are unable to accept technical support or order inquiry calls on our 800 number. The 800 number is for **orders only.**

Prices and availability subject to change without notice.

# HOW TO ORDER

## WANT TO SELL YOUR ST SOFTWARE?

**HERE'S HOW:**
We market a wider variety of software than anyone in the ST marketplace. Whether you're a first-timer, veteran, or a major software firm, we have a place for you in The Catalog. We also distribute through over 1,000 retailers. So, if you're looking for broad distribution and understanding support, send us your program and let us take a look. Worried about security? So are we. Just send us a description of your software and we'll arrange the necessary non-disclosure agreements.
**THE CATALOG**
**Product Development Department**
**544 Second Street**
**San Francisco, CA 94107**
**(415)957-0886**

**BYTE *picks FLASH***
***— Top Atari terminal program!***

SALE 25% OFF

## FLASH 1.5™

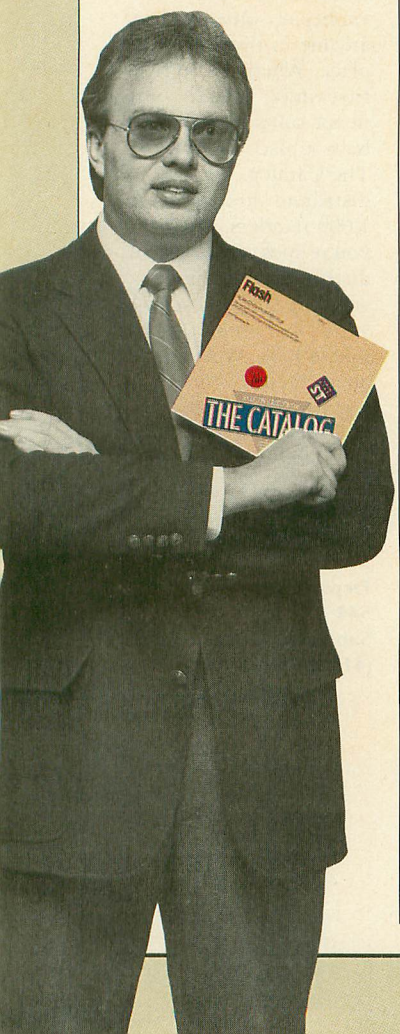
### The Most Popular ST Terminal Program

*by Joe Chiazzese and Alan Page*

If you own a modem you should be using FLASH. Why? Because FLASH is the best. It will simplify your online time and make telecommunicating more enjoyable and less expensive.

And now, with version 1.5, FLASH just got a whole lot better — for a whole lot less (effectively $15 after subtracting the $15 CIS time). Check out the new features:

- Enhanced GEM Word Processor
  - Automatic, adjustable word wrap
  - Search and Replace
  - Reformat text blocks
- Supports CompuServe's B protocol for faster, more convenient file transfers (in addition to color Vidtex graphics).
- Now includes VT100/VT52 line-drawing character set
- New Script language functions
- Command line history
- Faster Type-ahead lets you scroll thru previous lines and resend them
- YMODEM batch file
- Ability to run other ST programs from inside FLASH




**Ask Anyone**

If you're looking for an ST terminal program, ask any online veteran about FLASH. FLASH is so GEM-intuitive, you feel right at home the first day you use it. Imagine turning on your ST, and with *one click* from the GEM desktop, beginning an online session on your favorite BBS. Watch FLASH dial the number, log on, and *automatically* browse through the most recent messages or files. Then, edit some email in the *built-in text editor*, and upload it right from the capture buffer, instantly! And FLASH is programmable, so you have total control for full customization.

*"FLASH is my #1 choice on the Atari ST."*
*— Ron Luks, Founder of CompuServe's SIG*Atari and Atari Developer's Forum.*

**LATE FLASH!!**

Order now and get an *additional* $18 FREE GEnie time!

FLASH has a barrel-full of terminal emulation, so it's compatible with a wide range of mini or mainframe systems. And talk about bulletproof transfers! It's got the *most reliable XMODEM around!*

PACKED WITH FEATURES!
In addition to the new features, here are some of the original, solid standards. See for yourself why **Byte** magazine chose FLASH as the top Atari terminal program.

- Programmable "script" language (70 plus commands)
- Unlimited Macro keys
- Mainframe VT100 terminal emulation
- XMODEM (CRC), ASCII and DC2/DC4 file transfers
- Totally configurable to *your* needs!

FREE! Try FLASH now and get $15.00 of CompuServe access time.

**FLASH 1.5**
ST0220 ~~$39.95~~
*Now!*
*Only $29.95*

(* Free upgrade with original disk and $5.00 shipping.)

*"FLASH is the fastest, most complete, most reliable terminal program I've used..."*
*— M. Ratcliff,*
**ANALOG Magazine**

***BBS and Kermit Accessory for Flash!***

## REMOTE CONTROL ACCESSORY & KERMIT PROTOCOL™

*by Joe Chiazzese and Alan Page*

Instant Kermit protocol within Flash with this custom desk accessory. Plus Remote Control accessory turns Flash into a mini-BBS.

**REMOTE/KERMIT**
**ST0226 $24.95**
*REQUIRES: FLASH ST022*

***Soup up your modem...in software!***

## QUICKTRAN™

### The Modem Accelerator

*by Adrian Jovanovich*
*Works with FLASH, or by itself.*

Your 1200-baud modem can now transfer files at over 2000 baud... 2400 baud now flies at 4000 baud... The telephone company can't stop you. It's totally legal!

QUICKTRAN comes to you as two disks, each with an identical desk accessory. One QUICKTRAN accessory shrinks the file you're sending — in real time, using one of four automatic compression schemes. The second accessory — on the receiving end — expands the file to it's original size as it's coming in over the phone lines. Why spend hundreds on a faster modem when you can transfer files in almost half the time with QUICKTRAN?

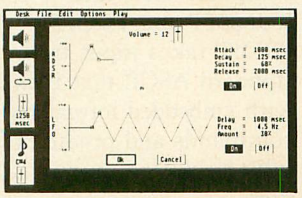
**QUICKTRAN**
**(2-disk set)**
**ST0247 $34.95**

***The program that created the sounds in CYBERSCAPE!***

## G.I.S.T.™
## G.I. Sound Tool

by Lee Actor & Gary Levenberg for Synthetic Software

*Works with C Compilers, CYBER STUDIO (ST0236), and Dr. T's MIDI Recording Studio*



If **sound** has always fascinated you . . . or if you're a programmer or developer . . . take a look at G.I.S.T., the sound editor. G.I.S.T. was created to establish a standard of sound generation on the Atari ST that far surpasses the abilities of the built-in sound chip. G.I.S.T. is really two programs:

1) GEM-based editor
2) Sound Driver

As you can see from the screen display, the G.I.S.T. editor gives you real-time mouse control over any sound shape. The key to G.I.S.T.'s power is dynamic control of the GI chip. Each voice has three ADSR (envelope) controls and three LFO's (low frequency oscillators). You'll be creating sounds like a professional engineer—Near Synthesizer Quality (NSQ) sound.

For programmers, the Sound Driver is linkable object code that can be used in your own software. Adding superior sound effects to **any** program . . . it's interrupt driven, so it won't impact the speed of your software. In fact, it's already built into CYBER STUDIO—just one of many useful applications.

**NOW! Compatible with GFA BASIC & PERSONAL PASCAL!**

**LET'S GET TECHNICAL**

- Volume ADSR to shape attack, decay, sustain, release
- Volume LFO for Tremolo effects and AM (Amplitude Modulation)
- Frequency ADSR—frequency shifts up to ± 3 octaves!
- Frequency LFO for Vibrato effects and FM (Frequency Modulation)
- LFO delay lets you add effects at any point in the sound
- MIDI-compatible! Use your keyboard to play the GI chip
- Three sound windows may be open at once

**Add sound effects to your CYBER STUDIO animations!**

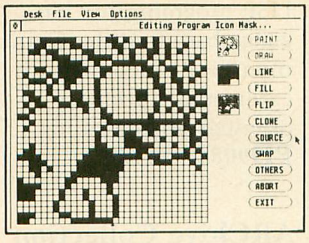
**GFA BASIC™ Michtron**
**Personal Pascal™ O.S.S.**

**G.I.S.T.**
**ST0233 $34.95**

***Start Icon Editor Hits "Big Time!"***

## P.I.E.
## Professional Icon Editor

*by Alex Leavens*




It began as a hot little desk accessory in START, The ST Quarterly—you know, "Customize Your Desktop Icons!" or so the copy read. And it was a lot of fun. You could redesign your Trash Can to look like a paper shredder. But the programmer, Alex Leavens, just couldn't leave it alone. He kept *adding* things.

Now, the Desktop Icon Editor has graduated. P.I.E. is the *Professional* Icon Editor—for programmers as well as desktop artists. Alex has added icon code generation so you can now design icons for your own programs. And while he was at it, he added a bunch of graphics improvements to delight the artist in you.

New features include:

- Generates Resource Construction Set code for icon images; P.I.E. can be used from within the Resource Construction Set to create and edit icons for the resources you're currently working on!
- Improved Editing Features:
  - Faster Print and Line Modes
  - New Image Cut & Paste Functions
  - Selectable Fill Patterns
  - Nine-level Bi-directional Undo buffer
  - In-program Desktop Icon Preview mode
- Improved Keyboard Resource

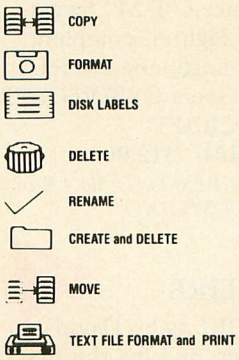
**P.I.E.**
**ST0248 $29.95**

**Monday-Friday MasterCard, VISA Only**
**All 50 states 6AM-6PM PACIFIC TIME**

***Add a world of DOS Icons to all of your GEM programs.***

## CRYSTAL™
## (It makes GEM shine . . .)

*by Jim Thompson*




These are the DOS Icons Digital Research forgot when they wrote GEM. It's too bad Atari didn't put CRYSTAL into the TOS ROM's, because for about 30K of code, CRYSTAL gives TOS the most powerful features of MS-DOS. Plus, you never lose the look and feel of GEM. And since CRYSTAL is a desk accessory, it's always available.

In fact, these eight icons will eliminate all the frustration you feel from not having powerful DOS functions available from within your favorite GEM program (or the desktop) . . .

Of course, CRYSTAL is compatible with all monitors, all disk drives, and all printers.

Make your favorite personal version of GEM shine—for $24.95.

**CRYSTAL**
**ST0229 $24.95**

*"The best utility buy of the year, without a doubt."*
**— Current Notes**

## CAD-3D COLLECTION II

New!

More fantastic 3D objects! Includes the NEW TV STAR TREK ENTERPRISE; detailed Space Shuttle with working bay doors; Israeli Lavi Fighter; Advanced "F-24" Swept-Wing Fighter; complete Atari Logo; and Darrel Anderson's CYBERSCAPE DISKCRAFT!

**PD9101 $12.00**

*REQUIRES: CAD-3D 1.0 or CYBER STUDIO*

## MISFIRE

New!

MISFIRE is by David Snyder, and it's the first user-submitted (1.5 minute long) CYBER STUDIO animation. MISFIRE is a frighteningly real scenario of a next decade SDI nightmare featuring multiple scenes and special effects. Who will survive? This disk is completely self-contained and needs no other program. Just boot it and amaze your friends.

**PD9102 $12.00**

*REQUIRES: DS drive, 1-meg. RAM, and color system*

## SPELL/Writer's Tools

SPELL, written by Eric Bergman-Terell in Personal Pascal, is a simple spelling-checker for ASCII or 1st-Word files. It scans your document, reporting incorrect words and allowing you to add them to the program's unlimited-size dictionary.

**PD9093 $12.00**

## TOM HUDSON'S PD3DCTL

New!

This is the early, public domain version of Tom's motion control language desk accessory for CAD-3D 2.0 — a subset of the powerful CYBER CONTROL (ST0250, elsewhere in The Catalog). Create your own programs to control CAD-3D 2.0 and automatically create CYBER STUDIO (ST0236) animations.

**PD9095 $12.00**

*REQUIRES: CYBER STUDIO*

## DARREL ANDERSON'S SPACE PROBE

New!

This superb CYBER STUDIO (ST0236) animation demo with sound effects was created by Darrel Anderson, author of CYBERSCAPE (SB0104), for the Contact Aliens Lifeform PBS special. Complex space probe enters space in the foreground before diving to the distant planet's surface.

**PD9096 $12.00**

*REQUIRES: One-megabyte RAM, DS drive, color*

## DARREL ANDERSON'S SPACE DOCK

New!

Another fabulous CYBER STUDIO (ST0236) animation demo by Darrel. This one features a deep-space hydro-wing launch from one of the Future Design craft.

**PD9097 $12.00**

*REQUIRES: One-megabyte RAM & DS drive*

## TOM HUDSON'S STEREO STEELYBOINK

New!

STEREOTEK OPTIONAL

Incredible, animated ray-tracing demo by Tom Hudson shows off the amazing properties of the STEREOTEK glasses as reflective balls bounce in three-dimensional space.

**PD9098 $12.00**

*REQUIRES: STEREOTEK GLASSES, one-megabyte RAM, DS drive, color*

## SPECTRUM 512 SLIDE SHOW

New!

Professional artists Darrel Anderson and Richard Berry contribute to this colorful collection of SPECTRUM 512 (ST0249) pictures. (Includes pictures from SPECTRUM Catalog ad.) Show your friends what the Atari ST is really capable of. Or, if you don't have SPECTRUM and want to see what it can do, we've included a special slide show program on this disk. *You don't need SPECTRUM to display these 512-color pictures.*

**PD9100 $12.00**

## XLISP

XLisp, written by David Betz, is a version of the LISP programming language based on the Common LISP standard with extensions for object-oriented programming.

**PD9084 $12.00**

## ARChive Collection

A collection of tools for manipulating archives—multiple files combined and compressed into single library files for later extraction and use.

**PD9094 $12.00**

## CAD-3D COLLECTION I

The first collection of complex objects created by Tom Hudson with CAD-3D.

**PD9085 $12.00**

*REQUIRES: CAD-3D*

## PROFF

PROFF is a text formatter similar to popular minicomputer tools like RUNOFF and TROFF. PROFF takes input from standard ASCII text files with embedded formatting commands and produces fully-formatted output files.

**PD9089 $12.00**

## STEREO STARS & SLIDE SHOW

New!

STEREOTEK OPTIONAL

Float through stereoscopic space with this hypnotic, animated starfield demo. Plus, over ten full-stereo slide pictures! Show your friends, then load them into DEGAS Elite and touch them up!

**PD9099 $12.00**

*REQUIRES: STEREOTEK Glasses and DS Drive*

## MicroEMACS COLLECTION

MicroEMACS, originally developed by David Conroy, is a popular implementation of a useful subset of the EMACS text editor used on minicomputers.

**PD9090 $12.00**

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800

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***ST Software Bargains***
See pp. 30-31

***STart Back Issues***
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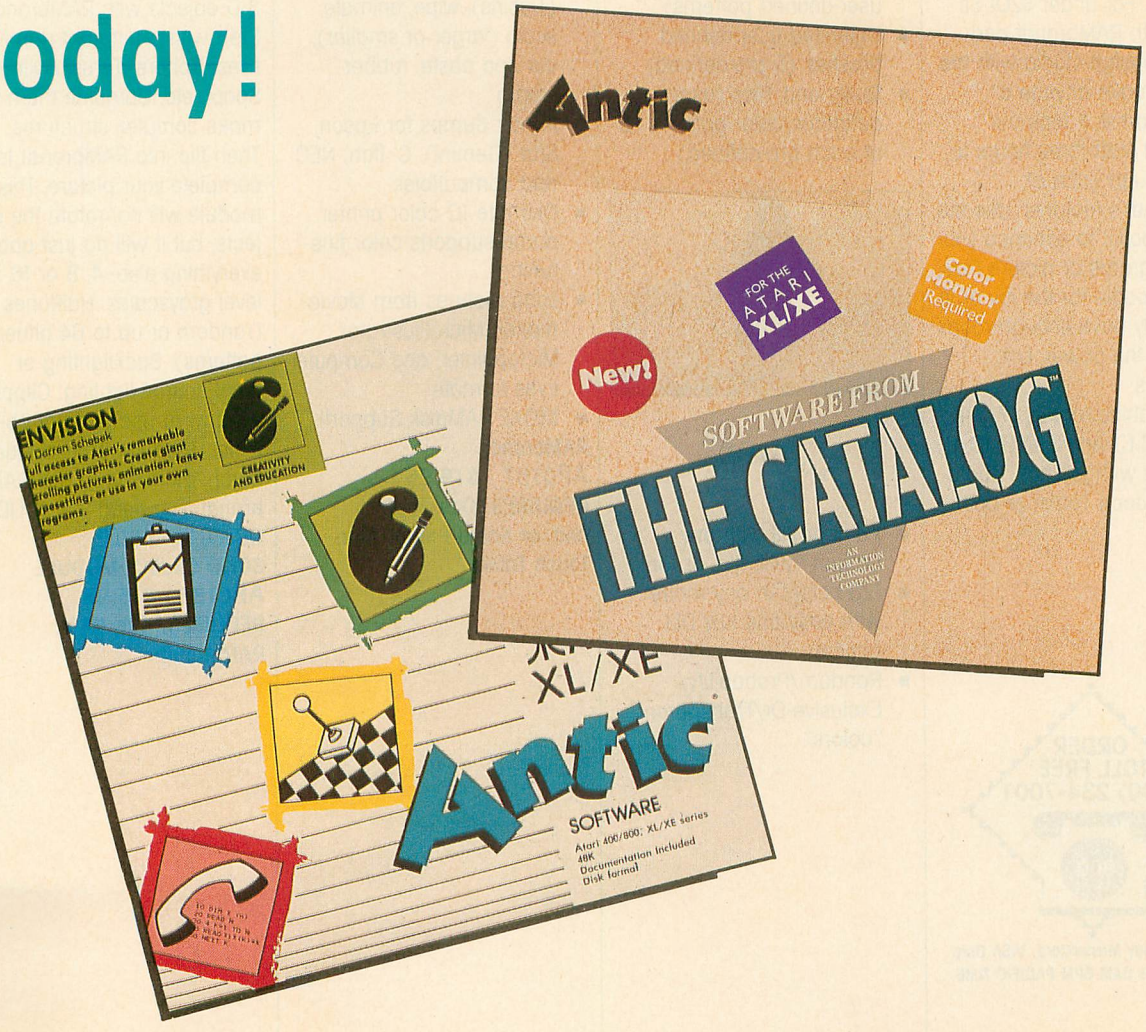
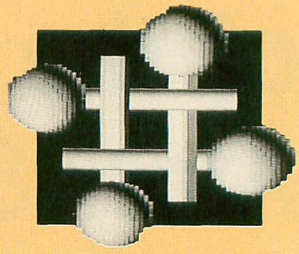
# 47

SOFTWARE FROM
THE CATALOG™
AN INFORMATION TECHNOLOGY COMPANY

## of the best Atari 8-bit programs available today!



**FREE BONUS! Order now and get a FREE DISK of pictures and extra character fonts.**



*All-time best-selling Atari paint program*

## RAMbrandt™

### Atari Design Studio

*by Bard Ermentrout*

Imagine. . . the ultimate paint software. For under $20! Sit down with RAMbrandt and enter a design studio with the tools to make anyone a creative artist. It took our technical staff three hours to step through each of RAMbrandt's features. Use the built-in toolkit to enhance your own programs or picture files. Or just doodle for the joy of it! We barely have enough room to list all the power, but here goes:

- 5 graphics modes (7, 7+ (ANTIC E), and GTIA 9, 10, 11)
- Works with joystick, Koala Pad/Touch Tablet or both
- Horizontal and vertical coordinates always displayed
- Box, Circle/Ellipse, Rubber band line, Freehand plot, Text (4 sizes, any font—3 fonts included), Zoom, Mirror (vertical, horizontal, 4 way)
- Fill (solid, pattern, random, user-defined patterns)
- Unlimited user-defined brushes (5 pre-defined)
- Quilts and Tiles (user-definable color patterns—5 of each pre-defined)

BEST SELLER!

- Paint or Fill with any pattern, quilt, tile, or font
- 128 colors in any mode with easy one key DLI access
- Random/Probability/Exclusive-Or/Transparent "colors"
- Color Hunt Mode (paint over only the color you choose)
- Animate mode (up to 32 frames at any speed)
- Window mode—any or all of your picture: Rotate, vertical or horizontal flip (T-shirts), wipe, animate, scale (larger or smaller), cut and paste, rubber stamp
- Printer dumps for Epson, Star (Gemini), C. Itoh, NEC and compatibles
- Okimate 10 color printer dump supports color fine-tuning
- Load pictures from Moviemaker, MicroIllustrator, Micropainter, and Computer Eyes formats
- 130XE RAMdisk Support!

**RAMbrandt**
**AP0157 $19.95**
**REQUIRES: One Joystick and/or Koala Pad or Atari Touch Tablet**

*A 3-D Solid Object Modeler for RAMbrandt*

## SOLID OBJECT MODULE

*by Bard Ermentrout*

Now you can easily create 3-D objects with RAMbrandt. Start with 8 different primitives: Sphere, Torus, Cylinder, Spool, etc. Combine them to make complex structures. Then flip into RAMbrandt to complete your picture. This module will not rotate the objects, but it will do just about everything else: 4, 8 or 16 level grayscales. Halftones (random or up to 64 dithered patterns). Backlighting or point source lighting. Clipping window to use parts of objects. Undo command. Much, much, more. If you use RAMbrandt, you need the SOLID OBJECT MODULE.

**SOLID OBJECT MODULE**
**AP0182 $15.95**
**REQUIRES: 48K RAM, RAMbrandt**

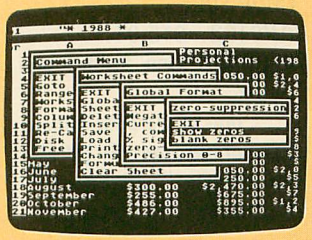
**Monday-Friday MasterCard, VISA Only**
**All 50 States 6AM-6PM PACIFIC TIME**

*PROGRAMMABLE spreadsheet for the XL and XE computers*

## CALC MAGIC

*by Metamorphosis Development*

LIMITED STOCK



This is a full power, fast spreadsheet presented in a much easier-to-use programmable, multi-menu package. Now you can have sophisticated facilities to really control a spreadsheet—and get a solid grip on your budget or business.

**Features include:**

- Built-in plain-English programming language. Build templates to reduce your keystrokes.
- Quickly test multiple "what if" conditions and determine actual effects.
- Pop-up menus let you choose commands easily, avoid complex command sequences.
- Suports DIF file transfer.

**CALC MAGIC**
**AP0177 $24.95**
**REQUIRES: XL or XE Computer, 64K**

## THE ENHANCEMENT DISKS (A 2-disk set)

*by Robert Wilson*

Ever since B/GRAPH—the most powerful Atari business/graphics software ever—was released, rumors persisted that its co-author, Robert Wilson, had created a collection of super utilities and enhancements for the original program that, combined, made the whole set comparable to business-presentation systems worth hundreds of dollars on other computers.

Those rumors were true. For several years, Robert Wilson created, debugged, polished, and reworked his collection of utilities until they became four packed disk sides of programs and documents. Although it is possible to use many of these programs without owning B/GRAPH, THE ENHANCEMENT DISKS are primarily designed to run with B/GRAPH—which is available from Batteries Included.

THE ENHANCEMENT DISKS features include:

- Bubble charts for market segmentation analysis
- Opposed bar charts
- Segmented horizontal bar charts
- Loan amortization schedules
- Instant switching of plotted variables
- Covariance and correlation matrices

And THE ENHANCEMENT DISKS support the Atari 1020, Radio Shack CGP115, and Mannesmann Tally Pixy plotters for the ultimate in clear presentation. Plotter features include:

- Exploded pie charts
- Floating bar charts
- Plotting of algebraic expressions
- 17 factors per graph with overlays
- Left and right side scaling

**THE ENHANCEMENT DISKS**
**AP0190 $19.95**
**REQUIRES: Atari BASIC**
**Recommended: B/GRAPH**
**B/GRAPH™ of Batteries Included**

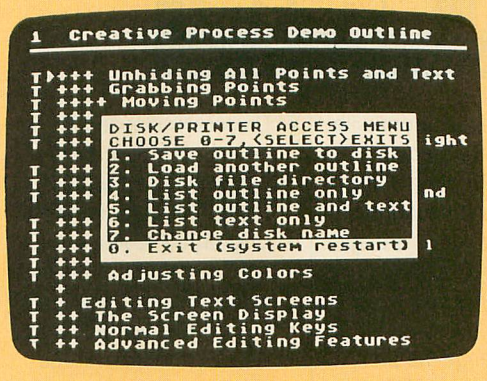
*Organize ideas with the only outline processor for the Atari. Compatible with Word Magic, Atari-Writer, Paperclip and other word processors.*

## CREATIVE PROCESS Version 1.8

*by Dave Thorson*

LIMITED STOCK

Outine processors have become indispensible authors' tools (you've seen them advertised for the Macintosh and IBM). CREATIVE PROCESS on the Atari is a tremendous aid in report writing—for business or school. Capture your ideas and turn them into *professional* documents. Reduce the time needed to get out a document, because speed is the key feature. It can help you manage your projects, make sense out of long meetings, and monitor works in progress. Plus, it's so flexible that it can be used as: an address and phone number filer, calendar, recipe data-base, and for organizing everything. Pop-up command windows let you concentrate on ideas. Undo key, adjust-able screen colors, utilities package, and *130XE RAMdisk* support are only a few of CREATIVE PROCESS'S huge list of features. Comes preconfigured for single and enhanced density. Capable of supporting your double-density DOS's as well. 100% compatible with Word Magic, Atari-Writer and Paperclip.




**CREATIVE PROCESS**
**AP0151 $19.95**
**Optional: Printer, Word Magic**

## SPELL MAGIC

*by Blue Collar Software*

*Also works with Atari-Writer and Paperclip!*

Spell it *right—every time,* with this 34,000-word integrated dictionary. Get started fast with on-line help and simple menus. Install SPELL MAGIC and Word Magic together on one disk. *Also*—check documents created by other word processors such as Paperclip and HomePack, *and AtariWriter.* Check in context: SPELL MAGIC *always* displays your document in a window in the upper half of your screen. Add an unlimited number of expandable *personal dictionaries* (up to 10,000 words each). Updates your personal dictionary automatically while checking words. Counts words. Works with single or double drive systems.

**SPELL MAGIC**
**AP0144 $19.95**

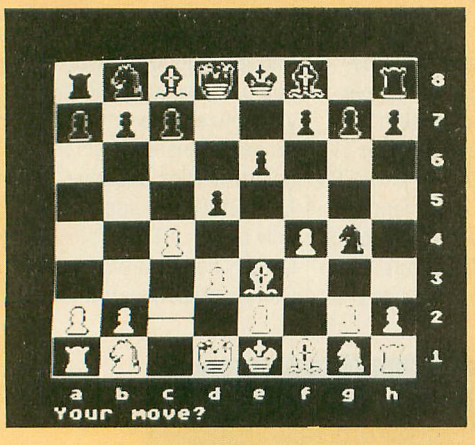
*Great moves. . .for all level players*

## Colossus Chess 3.0

**The *Ultimate*Computer Chess**

BEST SELLER!

*by Martin Bryant English Software UK*




Here's a chess program with all the moves of a *chess master, a great chess tutor* or a *master tournament opponent*. Whether you're a beginner or a pro, COLOSSUS CHESS 3.0 is for you.

Dare to challenge the program that *outplayed* 20 of the best computer chess programs available.

- Unique two-screen dual display—current game and unique view of COLOSSUS's "brain." Watch COLOSSUS consider thousands of moves.
- On-screen elapsed-playing-time *clocks add realism*, excitement to Tournament mode (full tournament play).
- COLOSSUS teaches *you* to be a better chess player with simulation modes (infinite mode, problem mode, equality mode, average mode, all-the-moves mode, blindfolded mode). Adjust playing speed and style.

**COLOSSUS CHESS 3.0**
**AP0161 $15.95**
**REQUIRES: 48K RAM**

*Note: Colossus Chess was named "**. . .one of the best buys in chess programs today**" by **Analog** Magazine (Nov. '85).*

*Joystick-busting Kung-Fu Action*

## CHOP SUEY

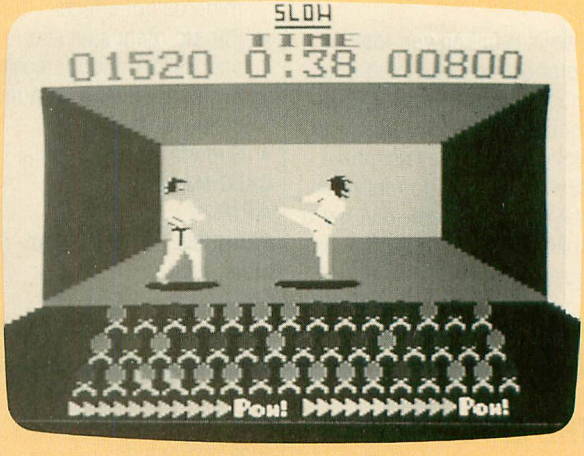
BEST SELLER!

*by English Software UK*

An action-packed martial arts competition simulation. For anyone who likes thrill-a-minute competitive games. One or two players. Eight progressive levels, two speeds—normal and (for the insane) superfast. Killer scorpions add an unpredictable element. Fast, smooth animation and 29 on-screen colors add to the excitement.

**CHOP SUEY**
**AP0162 $15.95**
**REQUIRES: One Joystick per player**

"***. . .one of the best Atari buys of the year. Go get it grasshopper!" Atari User*** Magazine (UK)




*The card game of royalty. . .and society*

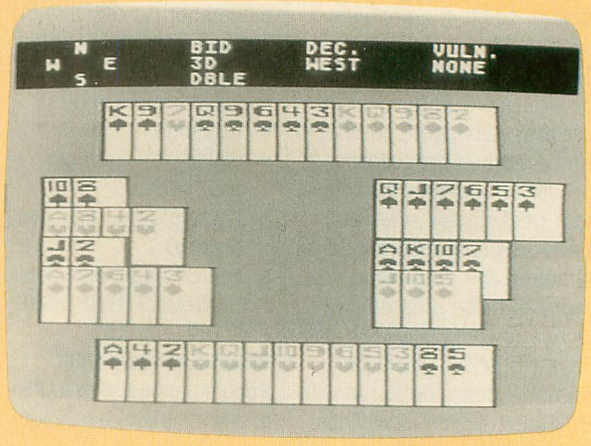
## BLUE TEAM BRIDGE

*by Walt Huber*

A complete, tournament-level computerized bridge simulation. Now you can learn to play and play more often. Improve your game.

New players can learn to play right. Intermediate players can learn an advanced style of bidding. Advanced players can learn new bidding conventions to sharpen their skill. All will have a worthy competitor when you "can't get a foursome together." Your favorite game is always at your fingertips.

**BLUE TEAM BRIDGE**
**AP0178 $15.95**
**REQUIRES: Joystick**

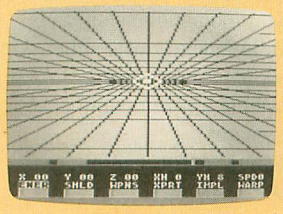



*Star Raiders was a great game. . .for its time.*

LIMITED STOCK

## XTAL(CRYSTAL)—AN ADVENTURE IN SPACE

*by Dave Reese*



A planet-threatening Ion Radiation storm has developed in the peaceful Canasian section. Your mission: destroy that storm.

The EXCALIBUR comes equipped with impulse and warp drives, transporters, phasers, communicators, shields, quadrant map display, and a spectacular 3D cockpit/navigation viewscreen.

**XTAL (CRYSTAL)**
**AP0158 $15.95**
**STAR RAIDERS™ Atari Corp.**

*Your computer can teach you the language of the ST.*

## DEEP BLUE C COMPILER

LIMITED STOCK

*by John Palevich*

## MATHLIB

*by Frank Paris*

DEEP BLUE C is faster and more powerful than BASIC. C is one of the most transportable languages—runs on other computers with minor modifications. This all-purpose language is the *de facto* standard for the new generation of 68000-based machines like the Atari ST. Pointers, recursive functions, and high-level control structures make complete software systems easy to design, implement and maintain.

MATHLIB is a complete library of math functions for DEEP BLUE C. The 32 functions provide access to Floating Point and Trig operations. Now you can get both disks for the price of one!

**DEEP BLUE C and MATHLIB**
**AP0188 $19.95**
**REQUIRES: Text Editor like Word Magic**

## INTERLISP/65

*by Special Software Systems*

The Catalog is proud to offer INTERLISP/65, version 2.5, from Special Software Systems. LISP (LISt Processing) is the symbolic language of artificial intelligence applications, designed especially to logically manipulate structured symbols. It's different from any language you've ever used on the Atari!

INTERLISP/65 is a subset of the standard "INTERLISP" dialect of LISP. This version includes special enhancements so you can take advantage of the Atari's graphics and sound capabilities. Over 70 pre-defined functions are included, plus these features:

- Eight-digit, floating point arithmetic, including multiplication, division, exponential, and logarithms.
- PEEK, POKE, and XIO functions for access to monitor and hardware functions.
- STICK and STRIG for game controller input.
- Sequential disk file functions, including OPEN, CLOSE, PR#, IN#, NOTE and POINT.
- PAGE and TAB screen control functions.
- Debugging facilities include BREAK and BAKTRACE.
- Example LISP programs on disk include the famous "Towers of Hanoi" puzzle which provides an excellent example of the power of recursive programming, plus "Doctor," a classic example of artificial intelligence applied to conversational programs.

And now, version 2.5 includes 21 new functions, a special graphics-buffer initialization sequence, plus the new TRACE utility for detailed debugging.

**INTERLISP/65**
**AP0191 $19.95**

## BASIC VIEW

*by Softview Concepts*

This is a utility all BASIC programmers will want. Beginners will learn programming faster, and veterans will find BASIC VIEW invaluable for debugging. Written entirely in machine language, BASIC VIEW provides a window showing the actual execution of your program code while the program is running. Even if your program uses full graphics displays, you can instantly switch—without program interruption—to the BASIC VIEW window, and then back to your program display. Beginners quickly see which line of code is affecting the program while it actually happens.

**Features include:**

- Joystick controlled for ease of use.
- Current line highlit during program execution.
- Adjust program execution speed using joystick "throttle."
- Variable Display shows updated contents of variables during program execution.
- Stop, skip to any line, then restart your program at any point.
- Variable Menu displays all variables, arrays, strings in alphabetical order.
- Examine dimensional array structures and elements, and memory locations.
- "Find" command for instant search of any variable or array element by name.

**BASIC VIEW**
**AP0192 $19.95**

*Power combo for Assembly language programmers*

LIMITED STOCK

## FLOATING POINT PACKAGE

*by Louis J. Chorich III*

## EXTENDED D.D.T.

*by Jim Dunion*

FLOATING POINT PACKAGE makes math with MAC/65 as easy as BASIC. It gives you the tools to use the precision of Floating Point operations. Also includes Floating Point array management and Trig functions.
REQUIRES: Mac/65

EXTENDED D.D.T. (EXDDT) is the best debugger, made even better.The improvements include:

- Symbolic disassembler
- EXDDT completely relocatable
- NEXT instruction for single stepping past subroutines
- Includes mini-assembler
- Complete source code and all assemblers

**FLOATING POINT PACKAGE and EXTENDED D.D.T.**
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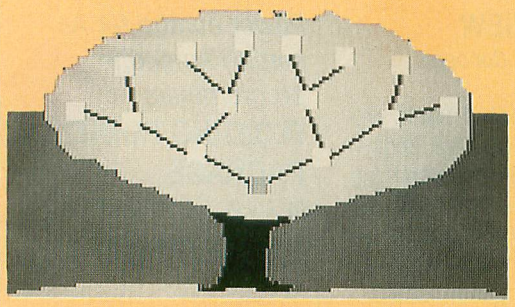


## THE FAMILY TREE

*by Harry Koons*

Record and access up to 6 generations of historical family data with THE FAMILY TREE. Enter names, dates, places and facts; then print out an actual pedigree chart of your own lineage (on any printer). Use the joystick or keyboard to select any relative. Display three windows of pertinent information about that family member instantly. All historical data can be displayed and edited on-screen. Save up to 24 generations on one disk. Send printed charts to distant relatives—get their help in completing each family member's history. Preserve your family tree for posterity!

**THE FAMILY TREE**
**AP0133 $19.95**
**REQUIRES: Atari BASIC**
**Optional: One Joystick**

---

*Finally, a flexible, full-featured database*

## DATA MANAGER XL

*by William Bartlett*

LIMITED STOCK

Here's a flexible, integrated data base manager/mini-word processor that's easy to use. Highly flexible features include: color-coded files, program handles up to 100 fields (indexable categories), each field as large as 120 characters. Quickly make changes with easy add and delete options. Print custom reports from existing files. An Index Manager function allows sorting and file rebuilding. Use with compatible AtariWriter and/or Word Magic for mail merge, form letters, or other letter/list processing needs! A special "Tools Manager" section features: database diagnostics and utilities plus a disk drive speed checker! How-to instructions are complete and detailed.

**DATA MANAGER XL**
**AP0129 $19.95**
**REQUIRES: Atari BASIC**

---

## SHERLOCK 1050

*by Dan Moore and Steve Ahlstrom*

Get a fighting chance to restore crashed disks. Examine or edit any byte in any sector of your single or enhanced density disks (in HEX or ASCII). Disassemble (from the disk itself) any machine language file or autoboot disk and learn its secrets. Restore deleted files and salvage broken files with the Trace option.

**SHERLOCK 1050**
**AP0155 $19.95**

---

## PRINTER DRIVER CONSTRUCTION SET

*by John Eric Hinckley*

Now AtariWriter is totally compatible with every printer. Comes with drivers for FX-80/MX-80, 10X/SG-10, NEC 8023, Prowriter, 1027, HR-25. Build your own drivers for other printers.

**PRINTER DRIVER CONSTRUCTION SET**
**AP0131 $19.95**
**REQUIRES: AtariWriter cartridge**

---

## CHAMELEON CRT TERMINAL EMULATOR

**Version 4.03**

*Written in machine language by John Palevich*

LIMITED STOCK

Turn your Atari into a variety of computer terminals! Five popular types: Glass TYY, ADM-3A, DEC VT-52, IBM 3031, ASCII, plus a test terminal. Software supports tab, backspace, line feed (on/off), form feed, bell signal, speeds up to 9600 bps, plus a lot more! Wide-screen 80 and 132 column emulation. You've never seen anything as fast and smooth as the vertical *and* horizontal fine scrolling. All these features make CHAMELEON flexible enough to use with UNIX operating systems. Perfect for logging on to non-standard systems, such as MCI MAIL and DELPHI, because you can customize *all* terminal parameters. Auto-dials and stores up to 16 phone numbers. Supports file transfers and features on all Atari 850-interface, 835, 1030, and XM301 modems. Version 4.03 includes Columbia University's Kermit file-transfer capability, in addition to total compatibility with the popular Xmodem protocol.

**CHAMELEON CRT TERMINAL EMULATOR**
**AP0113 $19.95**
**REQUIRES: 48K RAM**

---

*The only programmable modem software available*

## BACKTALK 1.2

*by Steve Ahlstrom, Dan Moore and Don Curtis*

BEST SELLER!

Designed by the authors of Paperclip, Synfile+, and Sherlock 1050, BACKTALK is powerful and easy to use. "Script" files can be executed with the touch of a button. Or they can run automatically—even in the middle of the night while the phone rates are lowest. Now you can wake up in the morning and read your email—with your morning paper—without having to download anything yourself! Bulletproof file transfer. Three protocols: Xmodem (with or without CRC), Amodem, and Xon/Xoff. Supports 300, 1200, 2400 baud modems, ASCII/ATASCII translation, full and half duplex. CB "chat" window provides uninterrupted communication during on-line conferences. Smooth scrolling text reduces eyestrain. Friendly pop-up menu makes entering commands a snap.

Now you can use BACKTALK with every modem. Supports Hayes-compatibles and Atari 1030/XM301. There's even a way to load your own modem handlers. 130XE users will love the way they can download files into the RAMdisk.

**BACKTALK 1.2**
**AP0154 $19.95**
**NOTE: Some early 810 disk drives will not work reliably with BACKTALK's high speed I/O.**

*This 2 DISK SET gives you complete command of your dot matrix printer.*

## PICTURE PLUS 3.0 and LISTER PLUS 1.5

**Non-Standard Magic!**

*by Chet Walters*

BEST SELLER!

PICTURE PLUS is the total graphics utility combined with the ultimate ATARI screen dump. Now Version 3.0 is faster and works with nearly any DOS. It even works with RAMdisks.

Translate pictures between MicroIllustrator, SuperSketch, Paint, Fun With Art, B/Graph, Movie Maker, Micropainter, Atari Light Pen, Atari Touch Tablet, Koala Pad, LOGO, Computer Eyes, DrawIt, RAMbrandt (when converted), Graphics 7, 7+, 8, 9, 10, 11, and 15.

Work with the entire picture or just the area you want. PICTURE PLUS will merge two pictures, reverse a picture left to right (for T-shirts), turn it upside down, move it in any direction, make a negative, or change colors. Add text anywhere on the picture, in any color(s) and any font(s), in 6 sizes.

PICTURE PLUS will print screens in 4 sizes from 3" x 4" to 8" x 14". Directly supports printers compatible with Epson, Gemini, Prowriter, Okidata, color IDS, and color Mannesmann Tally. Custom printer installation program handles most others.

LISTER PLUS will print anything exactly as it appears on your screen including control characters, inverse letters, custom character sets, and character graphics. These two packages formerly sold for over $30 each.

**PICTURE PLUS and LISTER PLUS**
**AP0179 $19.95**
**REQUIRES: 48K RAM, Atari BASIC**
**Optional: Dot Matrix Graphics Printer**

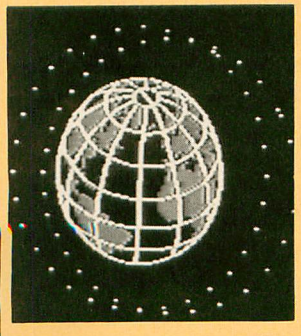
*Simulate a trip to the Moon.*

## ORBIT—A TRIP TO THE MOON

BEST SELLER!

*by John D. Reagh*

Dock with the Space Station to get supplies, then head for the Moon. Establish a low altitude orbit, detach the landing module and descend to the lunar surface. This is a serious simulation of a true mission. Fuel consumption, life support systems, orbital position, altitude, rocket burn time, thrust vectors, radial velocities, orbital constants—keep track of them all. On-board ship's computer instantly plots new courses.



Designed and written by a Lockheed aerospace engineer. Complete with documentation that's educational too.

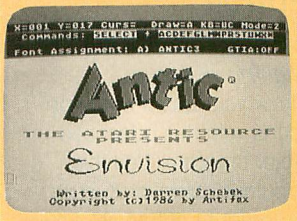
**ORBIT-A TRIP TO THE MOON**
**AP0168 $15.95**
**REQUIRES: Joystick**

*The RAMbrandt of character graphics*

## ENVISION

*by Darren Schebek*

Create giant, multi-screen, 8-way scrolling pictures. Build effortless animations (up to 128 frames at 10 speeds). There has never been anything like ENVISION before. Did you think character graphics were blocky, ugly substitutes for the real thing? Take another look at this screen shot. Graphics 0. And in real life, it's animated.




ENVISION has over 50 commands giving you total control over the Atari's 6 incredible text modes. Print out your pictures, do fancy typesetting. ENVISION also supports GTIA modes 9 & 11. A special utility converts microscreens to character graphics that are indistinguishable from the original. ENVISION is a brand new art medium and much more. It will create standalone pictures or produce BASIC and Assembler SOURCE CODE, a programmer's dream come true. On the 130XE, ENVISION supports 16 simultaneous fonts.

**ENVISION**
**AP0185 $19.95**
**REQUIRES: Joystick**
**Optional: BASIC, MAC/65, SynAssembler, Epson-compatible printer**

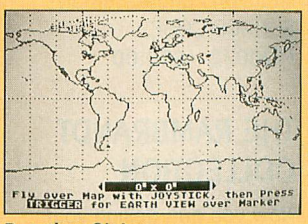
**Mercator Projection**

*Perfect for Geography, Science, HAM Radio, History, Current Events*

## EARTH VIEWS

*by R.G. Wilson*

EARTH VIEWS is a *world atlas*—an *electronic globe*—an exciting adventure *game*. Yes, it's all three in one. Call up many different maps and views of the Earth instantly. Includes detailed hi-res maps and projections linked to a "Gazeteer" of *world place names*.




**Rotating Globe**

In the *game:* you fly into the Bermuda Triangle and go on quests to exciting places. Detailed screens display longitude and latitude, lots of colorful information.

**EARTH VIEWS**
**AP0141 $19.95**
**REQUIRES: Joystick**

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*All programs in this series sold as is. There's almost no documentation included, except what's built into the programs themselves. Therefore, you may need some expertise in order to use the products properly. Because this is public domain software, the Customer Service Department cannot provide the same type of service as for programs we publish ourselves (i.e., copyrighted Antic software). However, all programs have been tested at Antic and will perform.*

## TRIVIA QUIZ

The *ultimate* Trivia Game! 100% machine language. Play alone or with 2 friends (2 on XL/XE). *Plus* create your own Trivia Files (over 350 questions per disk—730 with double density). Includes instructions and Assembly SOURCE CODE.
**PD0072 $10.00**

## THE RAMBRANDT COLLECTION

Now you can design your own special effects slide shows for RAMbrandt pictures. Choose a different dissolve for each picture: horizontal or vertical wipes, pixel dissolve, spin, telescope, and five others. Change the speed of the dissolves, mix graphic modes, repeat pictures or dissolves in any order. Supports 130XE RAMdisk, comes with a selection of the best RAMbrandt art. (RAMbrandt **not** required.)
**PD0073 $10.00**

## FIX XL (PD TRANSLATOR)

Run early 400/800 software on your XL or XE.
**PD0026 $10.00**

## DOS 4.0

*by Michael Barall*
Here it is—the DOS that Atari, Inc. spent over $100,000 on and never released. Code named QDOS, it supports single, 1050 (enhanced), and double density drives. Single drive systems require minimal disk swapping. Docs included in Atari's 100 screen online (Help) system. DOS 4.0 is fast—two times faster than DOS 2.0, three times faster than DOS 2.5.
**PD0067 $10.00**

## ICON GRAPHICS EDITOR

*by Gregg Tavares, The NightHawk Group*
Draw your own Print Shop icons with this advanced paint program. Use this fabulous "MacPaint"-style program to create your own libraries of icons. Full-featured drawing program includes user-definable fill and a smart brush which can AND, OR or XOR with the background.
**PD0088 $10.00**
**REQUIRES: Print Shop**
Print Shop™ Broderbund Software

## VT100 TERMINAL EMULATOR

Turn your Atari into a DEC-compatible 80 column VT-100 graphics terminal. Works with Hayes-compatible modem and interface. No other hardware needed.
**PD0037 $10.00**

## ANTIC FORTH

Learn the fast, compact FIG-FORTH language. Double-sided disk includes tutorial and editor.
**PD0020 $10.00**

## RADIO & ELECTRONICS (JACE)

Another great JACE collection. This one will teach you Ohm's law, satellite orbit prediction, and Morse code. It also includes a YAGI antenna designer, three resistor design programs, an LC circuit computer and HAM programs.
**PD0064 $10.00**

## 130XE HI-RES DESIGNER

For 130XE owners only. R-DRAW, a powerful new Mode 8 paint program that has lots of goodies like spray paint, auto-artifacting, 4 text sizes, star fields, L-R reverse (for T-shirts), and more. R-DRAW is so good that, if it had run on all the machines, it would've been accepted for APX.
**Special:** includes the BASIC SOURCE CODE for this compiled program.
**PD0070 $10.00**

## AMIS XM10.BBS from M.A.C.E.

A full-featured bulletin board for the 835, 1030 and XM301 modems. Version 4.5PD supports the auto answer on the XM301. The other modems will require an easy-to-build ring detector (instructions included). Join the telecommunications revolution with this easy-to-use and easy-to-maintain BBS.
**PD0080 $10.00**

## COMPUTER USING EDUCATORS SOCIETY (C.U.E.S.)—San Mateo

Official Education Packages from teachers who use Ataris. EDPACK #1 includes world geography, states and capitals, French and English Hangman, math games. EDPACK #2 has spelling bee, metrics, advanced math, and the famous Function Machine.
**C.U.E.S. EDPACK #1**
**PD0044 $10.00**
**C.U.E.S. EDPACK #2**
**PD0045 $10.00**

## 1030 EXPRESS/ TSCOPE 850 EXPRESS/ TSCOPE MPP EXPRESS/ TSCOPE

Keith Ledbetters's brilliant modem program, now available for all modems: 1030 EXPRESS for Atari 835, 1030 and XM301; MPP EXPRESS for the Supra/MPP 1000 series; 850 EXPRESS for modems using the 850 (or compatible) interface. *Bonus:* each comes with the correct version of TSCOPE/MSCOPE so you can access the R.L.E. VIDTEX graphics on Compuserve.
**1030 EXRESS/TSCOPE**
**PD0081 $10.00**
**850 EXPRESS/TSCOPE**
**PD0082 $10.00**
**MPP EXPRESS/TSCOPE**
**PD0087 $10.00**

## ASTRONOMY & METEOROLOGY (JACE)

The Jacksonville Atari Computer Enthusiasts (JACE) have collected these wonderful programs for amateur astronomers. Includes an observation simulator for tracking objects in the solar system, a planetarium prototype, a planet tracker, and much more.
**PD0063 $10.00**

## PD MICROPAINT ARTIST

**(A.C.A.O.C.)—BBS: 714-731-6523**

Improved clone of the original high-power graphics program for Ataris. Full documentation.
**PD0053 $10.00**

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| JANUARY THRU JUNE 1984<br>ADS8401 | JULY THRU DECEMBER 1985<br>ADS8502 | JANUARY THRU JUNE 1984<br>AMS8401 | JANUARY THRU JUNE 1986<br>AMS8601 |
| JULY THRU DECEMBER 1984<br>ADS8402 | JANUARY THRU JUNE 1986<br>ADS8601 | JULY THRU DECEMBER 1984<br>AMS8402 | JULY THRU DECEMBER 1986<br>AMS8602 |
| | JULY THRU DECEMBER 1986<br>ADS8602 | JANUARY THRU JUNE 1985<br>AMS8501 | |

*Available only in the six month sets shown above.

Individual back issue disks and magazines are available for July 1983 through the current issue. September 1984 magazine is sold out.

Individual disks are $5.95 each, magazines are $4.00 each. Remember to include shipping and handling charges (see ORDERING INFORMATION, page 17).

Ordering individual magazines or disks is easy! AMS stands for Antic Magazine. ADS stands for Antic Disk. Follow these product codes with the month and year you want. For example, to order the March 1987 disk and magazine, write:

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For ANTIC MAGAZINE MARCH 1987

**ADS0387**
For ANTIC DISK MARCH 1987

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25 5-1/4" HIGH QUALITY DISKETTES ONLY $9.95.
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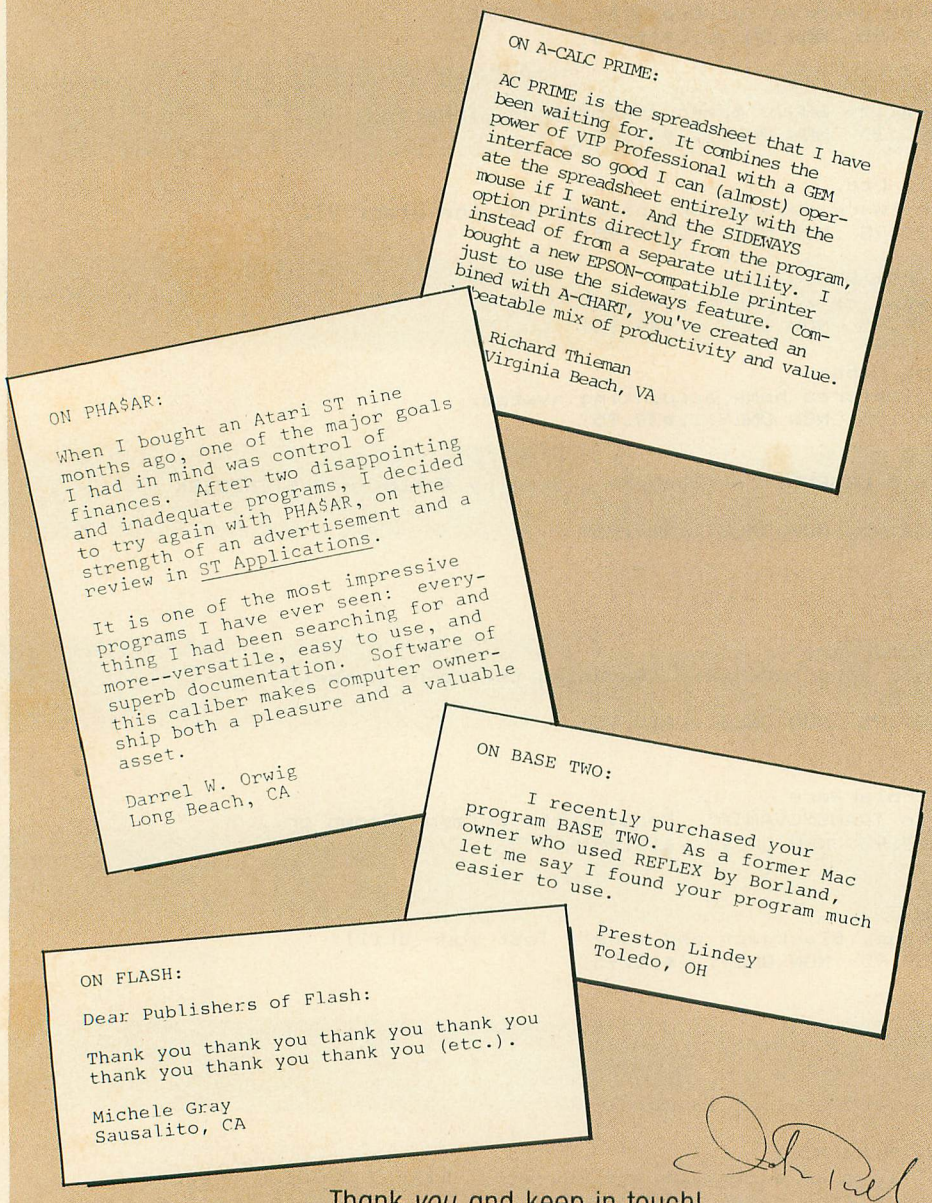
SPECIAL ST VALUES!

EXPERT OPINION by Mind Soft
Transform your ST into an expert on any subject. EXPERT OPINION creates production-rule knowledge bases; GEM based so you don't need to learn a programming language. BONUS application disk on gemology included. Please note this is a sophisticated computer science tool requiring study to use effectively.
BB9012 WAS...$99.95 NOW ONLY...$59.95!

DISK DOCTOR by Dan Matejka
Disk zapped by a power surge? Wrong file in the trash can? DISK DOCTOR will make recovery of your lost data as painless as possible. You can even use its built-in GEM disk editor to personalize your software's menus and error messages. It's the perfect file repair utility and a valuable programming tool.
BB9013 WAS...$24.95 NOW ONLY...$19.95!

STAR STRUCK--THE ASTROLOGER by Harry Koons
This GEM-based celestial workhorse instantly creates charts using formulas for the nine most popular historical house systems. If you don't know the coordinates of your birthplace, just click on the U.S. or world maps! STAR STRUCK works in color and monochrome and comes with loads of extra fonts.
BB9014 WAS...$24.95 NOW ONLY...$19.95

As you can probably tell from reading the Catalog, we Antic folks are very proud of our products, and we're particularly proud when we receive letters from you.



ON A-CALC PRIME:

AC PRIME is the spreadsheet that I have been waiting for. It combines the power of VIP Professional with a GEM interface so good I can (almost) operate the spreadsheet entirely with the mouse if I want. And the SIDEWAYS option prints directly from the program, instead of from a separate utility. I bought a new EPSON-compatible printer just to use the sideways feature. Combined with A-CHART, you've created an beatable mix of productivity and value.

Richard Thieman
Virginia Beach, VA

ON PHA$AR:

When I bought an Atari ST nine months ago, one of the major goals I had in mind was control of finances. After two disappointing and inadequate programs, I decided to try again with PHA$AR, on the strength of an advertisement and a review in ST Applications.

It is one of the most impressive programs I have ever seen: everything I had been searching for and more--versatile, easy to use, and superb documentation. Software of this caliber makes computer ownership both a pleasure and a valuable asset.

Darrel W. Orwig
Long Beach, CA

ON BASE TWO:

I recently purchased your program BASE TWO. As a former Mac owner who used REFLEX by Borland, let me say I found your program much easier to use.

Preston Lindey
Toledo, OH

ON FLASH:

Dear Publishers of Flash:

Thank you thank you thank you thank you thank you thank you thank you (etc.).

Michele Gray
Sausalito, CA

Thank *you* and keep in touch!

Frank J Ciminesi

Fidez Bituin

At publication time, the Cyber Studio is being used by:

- General Motors (Project Trilby division)
- Rockwell Space Systems (Space Station division)
- Industrial Light and Magic (Lucasfilm)
- Forensic Computer Graphics, Inc. (accident reconstruction)
- General Dynamics, Ft. Worth (F-16c human factors design)
- Yale University (Dept. of Physiology exchange program with Shanghai University, China)
- Disneyland (computer displays for Star Tours)

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## 8-BIT SOFTWARE AUTHORS AND DEVELOPERS

The Catalog has embarked on a global search for great software. If your software is great and runs on the Atari 800/XL/XE, we are searching for you. Help us find you.

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